STL

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ANALYTICAL REPORT

I07-056

Lot #: F7G120385 SDG #: SL702

Steve Trent

Fluor Hanford Inc PO Box 1000 MSIN B6-35 Richland, WA 99352



EDMC

TESTAMERICA LABORATORIES, INC.

Michael C. Franks Project Manager

August 24, 2007

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CASE NARRATIVE

Pacific Northwest National Laboratories

P.O. Box 1970

Richland, Washington 99352

April 26, 2005

Attention: Dot Stewart

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SDG

SL702

Number of Samples

56 samples

Sample Matrix

Water

Data Deliverable

Summary

Date SDG Closed

July 26, 2007

II. Introduction

Between between July 12, 2007 and July 26, 2007, fifty six (56) samples water samples were received by STL-St. Louis for chemical analysis. The samples were received within temperature criteria. See the COC and CUR forms for documentation of any variations on receipt conditions and temperature. Upon receipt, the samples were given laboratory Ids to correspond with specific client Ids. Please refer to the Sample Summary sheets attached to this case narrative. This report is incomplete without the narrative.

III. Analytical Results/ Methodology

The analytical results for this report are presented by analytical test. Each set of data includes sample identification information, analytical results and the appropriate detection limits. All results are based upon samples as they were received, i.e. wet weight, unless otherwise noted on the data sheets. See the attached Methods Summary Form for the methods used in this SDG.

Deviation from Request:

None

IV. Definitions

QCBLK-

Quality Control Blank, Method Blank

QCLCS-

Quality Control Laboratory Control Sample, Blank Spike

DUP-

Laboratory Duplicate

MS-

Matrix Spike

MSD-

Matrix Spike Duplicate

V. Comments

General

The following SAFs are associated with this SDG: I07-056, I07-044, I07-043, S07-007, W07-007, S07-004, S07-005, I07-055, G07-006, I07-027, S07-006, and W07-005

The term "Detection Limit" used in the analytical data report refers to either the lab's standard reporting limits or contractually required reporting limits, whichever is applicable.

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RECEIVED AUGUST 24, 2007

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MS/MSD/Dup analysis was done per the client requirements. Analytical batches that did not contain matrix QC were analyzed with a LCS/LCS duplicate.

Volatiles

For a large number of analytes in the LCS, it becomes statistically likely that a few will be outside the laboratory QC limits. Upper and lower marginal exceedance (ME) limits have been established to determine when corrective action is necessary. The number of allowable marginal exceedances is based on the number of analytes in the LCS.

LCS recoveries for Acetone, Carbon Disulfide, Chloroform, and 4-Methyl-2-pentanone in batch 7200645 are outside laboratory QC limits and qualified accordingly. Recoveries are within marginal exceedance limits, and within the number of analytes allowed.

The RPDs for Acetone, Carbon Disulfide, Chloroform, and 4-Methyl-2-pentanone in batch 7200645 are outside of the QC limits.

Affected Samples:

F7G130254 (1): B1N317 F7G130265 (1): B1NXL3

For a large number of analytes in the MS/MSD, it becomes statistically likely that a few will be outside the laboratory QC limits. Upper and lower marginal exceedance (ME) limits have been established to determine when corrective action is necessary. The number of allowable marginal exceedances is based on the number of analytes in the MS/MSD.

MS/MSD recoveries for Acetone, Carbon Disulfide, 4-Methyl-2-pentanone, and Tetrahydrofuran in batch 7200645 are outside laboratory QC limits and qualified accordingly. Recoveries are within marginal exceedance limits, and within the number of analytes allowed.

The MS/MSD RPD for Tetrahydrofuran is not within method acceptance criteria. MS/MSD recoveries are acceptable demonstrating good extraction performance in the sample matrix.

Affected Samples:

F7G130254 (1): B1N317

The surrogate recovery for Dibromofluoromethane in batch 7200645 for the associated sample is below the QC limit in the sample due to matrix interference.

Affected Samples:

F7G130254 (1): B1N317

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For a large number of analytes in the LCS/LCSD and MS/MSD, it becomes statistically likely that a few will be outside the laboratory QC limits. Upper and lower marginal exceedance (ME) limits have been established to determine when corrective action is necessary. The number of allowable marginal exceedances is based on the number of analytes in the LCS/LCSD and MS/MSD.

LCS/LCSD recoveries for Carbon Disulfide, 4-Methyl-2-pentanone, and 1,4-Dichlorobenzene in batch 7200651 were outside QC limits. Recoveries are within marginal exceedance limits, and within the number of analytes allowed. Neither analyte was detected above the reporting limit in the associated samples.

Affected Samples:

F7G130254 (1): B1N317 F7G130260 (2): B1NHC1 F7G170247 (1): B1NX26

F7G170249 (1): B1NXL5 F7G170250 (2): B1NY25

For a large number of analytes in the MS/MSD, it becomes statistically likely that a few will be outside the laboratory QC limits. Upper and lower marginal exceedance (ME) limits have been established to determine when corrective action is necessary. The number of allowable marginal exceedances is based on the number of analytes in the MS/MSD.

MS/MSD recoveries for Carbon Disulfide and 4-Methyl-2-pentanone in batch 7200651 are outside laboratory QC limits and qualified accordingly. Recoveries are within marginal exceedance limits, and within the number of analytes allowed.

The MS/MSD RPD for 1-Butanol is not within method acceptance criteria. MS/MSD recoveries are acceptable demonstrating good extraction performance in the sample matrix.

Affected Samples:

F7G130254 (1): B1N317 F7G130260 (2): B1NHC1 F7G170247 (1): B1NX26

F7G170249 (1): B1NXL5 F7G170250 (2): B1NY25

The associated sample in batch 7200651 was analyzed at dilution due to high concentrations of target analytes. The reporting limits have been adjusted only for those targets reported from the dilution run.

Affected Samples:

F7G130254 (1): B1N317

Sample surrogate recovery for Dibromofluoromethane in batch 7200651 is outside established QC limits. This excursion is attributed to a matrix interference which is physically evident in the sample. The sample has high levels of Carbon Tetrachloride which co-elutes with the surrogate and as a result the surrogate recovery is below the acceptable QC limit. The sample was diluted for Carbon Tetrachloride and the surrogate recovery is within acceptable limits in the diluted run.

Affected Samples:

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F7G170247 (1): B1NX26

There are some compound recoveries below the QC limits in the MS in batch 7205211 due to bad purge, which make the RPDs for some compounds outside of the QC limits. However the LCS/LCSD and MSD recoveries are acceptable.

Affected Samples:

F7G170250 (2): B1NY25

The associated samples in batch 7205211 were analyzed at a dilution due to high concentrations of target analytes. The reporting limits have been adjusted only for those targets reported from the dilution run.

Affected Samples:

F7G130260 (2): B1NHC1 F7G170247 (1): B1NX26 F7G170250 (2): B1NY25

The D% in the CCV for 2-Butanone, 1-Butanol, and 1,4-Dioxane in batch 7205220 was outside the Method criteria (greater than 20% D) indicating a potential high bias for those analytes in the samples associated with this CCV. These analytes were not detected above the reporting limit in the associated samples.

Affected Samples:

F7G180205 (1): B1M6N0 F7G190478 (5): B1NL76 F7G180207 (1): B1NXL7 F7G190485 (1): B1NXM0 F7G190478 (3): B1NL80

The D% in the CCV for 1,2-Dichloroethane, and 1-Butanol in batch 7213154 was outside the Method criteria (greater than 20% D) indicating a potential high bias for those analytes in the samples associated with this CCV. These analytes were not detected above the reporting limit in the associated samples.

Affected Samples:

F7G180205 (1): B1M6N0

The associated sample in batch 7213154 was analyzed at dilution due to high concentrations of target analytes. The reporting limits have been adjusted only for those targets reported from the dilution run.

Affected Samples:

F7G180205 (1): B1M6N0

The D% in the CCV for 1,2-Dichloroethane, and 1-Butanol in batch 7215157 was outside the Method criteria (greater than 20% D) indicating a potential high bias for those analytes in the

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samples associated with this CCV. These analytes were not detected above the reporting limit in the associated samples.

Affected Samples:

F7G210149 (1): B1NXM1 F7G230215 (2): B1NL53

For a large number of analytes in the LCSD, it becomes statistically likely that a few will be outside the laboratory QC limits. Upper and lower marginal exceedance (ME) limits have been established to determine when corrective action is necessary. The number of allowable marginal exceedances is based on the number of analytes in the LCSD.

The recovery for 1-Butanol in batch 7215157 failed high in the LCSD. It is not detected in the associated samples. Recoveries are within marginal exceedance limits, and within the number of analytes allowed.

Affected Samples:

F7G210149 (1): B1NXM1 F7G230215 (2): B1NL53

Diesel Range Organics

The Method Blank surrogate recovery is outside acceptance limits. Samples associated with this method blank demonstrated acceptable surrogate recoveries indicating the surrogate excursion is isolated to the method blank and not indicative of the batch.

Affected Samples:

F7G130260 (2): B1NHC1

Gasoline Range Organics

The Continuing Calibration Surrogate recoveries were outside of the upper QC limits. The samples associated with this Continuing Calibration had surrogate recoveries within the established QC limits.

Affected Samples:

F7G130260 (2): B1NHC1

The MS/MSD Surrogate recoveries and LCS Surrogate recovery are outside acceptance limits. MS/MSD spike recoveries and LCS spike recovery are within QC limits demonstrating acceptable sample extraction and instrument performance. There is an apparent anomaly in the surrogate addition, isolated to the MS/MSD and LCS and not indicative of the batch.

Affected Samples:

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F7G130260 (2): B1NHC1

ICP Metals

The sample in batch 7198243 was analyzed at a dilution due to high concentrations of the target analyte Calcium. The reporting limit has been adjusted only for those targets reported from the dilution run.

Affected Samples:

F7G130260 (1): B1NHC0

The samples in batch 7204270 F7G190487 were analyzed at a dilution due to high concentrations of the target analyte Calcium, except F7G190487-004 analyzed at a dilution due to high concentrations of Calcium, Magnesium, and Sodium. The reporting limit has been adjusted only for those targets reported from the dilution run.

Affected Samples:

F7G170250 (1): B1NY24 F7G190478 (4): B1NL75 F7G170250 (8): B1NY54 F7G190487 (2): B1NST2 F7G180212 (9): B1NY00 F7G190478 (2): B1NL79 F7G210151 (1): B1NY80

The samples in batch 7205274 were analyzed at a dilution due to high concentrations of the target analyte Calcium. The reporting limit has been adjusted for the dilution since no analysis at a lesser dilution was performed.

Affected Samples:

F7G230215 (1): B1NL52 F7G230215 (3): B1NL87 F7G230215 (5): B1NL83

Total Cyanide

There was insufficient sample to perform sample, spike, and duplicate for Cyanide in batch 7204172. A sample and spike was performed. The method requires two checks (LCS and HCS) thus method performance in shown.

Affected Samples:

F7G190487 (1): B1N4T3

The MS recovery for Cyanide in batch 7204172 is outside the established QC limits. The analyte concentration in the original sample is greater than four times the amounted spiked, making percent recovery information ineffective. Method performance is demonstrated by acceptable LCS recovery.

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Affected Samples:

F7G190487 (1): B1N4T3

Ammonia

The MS recovery for Ammonia in batch 7198128 is outside the established QC limits. A matrix interference is physically evident in the sample. Method performance is demonstrated by acceptable LCS recovery.

Affected Samples:

F7G130260 (2): B1NHC1

Phenol

The LCS recovery for Phenol batch in 7205111 is outside the upper QC limit, indicating a potential positive bias for that analyte. The analyte was not observed above the reporting limit in the associated samples; therefore the sample data was not adversely affected by this excursion.

Affected Samples:

F7G130260 (2): B1NHC1

TOX

TOX was observed in the method blank in batch 7218057 above the reporting limit. Associated samples which are either non-detect for the contaminant or exhibit concentrations greater than ten (10) times the concentrations observed in the method blank, do not require re-analysis.

Affected Samples:

F7G180212 (3): B1NY21

F7G230216 (1): B1NM75

F7G180212 (4): B1NY22

F7G230216 (2): B1NM76

The TOX samples in batch 7219092 had to be re-prepped and re-analyzed due to CCV failure. The samples had headspace which allows the volatile component in the samples to react with air affecting results.

Affected Samples:

F7G130260 (2): B1NHC1

F7G180212 (8): B1NXY9

F7G180212 (5): B1NXY4

F7G230216 (3): B1NM77

F7G180212 (6): B1NXY5

F7G230216 (4): B1NM78

F7G180212 (7): B1NXY6

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Ion Chromatography

Nitrate was observed in the CCB in batch 7194334 above the reporting limit. Associated samples which are either non-detect for the contaminant or exhibit concentrations greater than ten (10) times the concentrations observed in the method blank, do not require re-analysis.

Affected Samples:

F7G120385 (1): B1NX11

The MS recovery for Chloride in batch 7204077, Fluoride in batch 7204078, Sulfate in batch 7204079, Nitrite in batch 7204080, Nitrate in batch 7204081 and Orthophosphate in batch 7204082 is outside the established QC limits. A matrix interference is physically evident in the sample. Method performance is demonstrated by acceptable LCS recovery.

Affected Samples:

F7G180203 (1): B1NJ25 F7G180203 (2): B1NJ16 F7G180203 (3): B1NJ17 F7G180207 (2): B1NX79

The CCV recovery was outside the upper QC limit (greater than 110%) for Orthophosphate in batch 7204082 indicating a potential high bias for those analytes in the samples associated with this CCV. These analytes were not detected above the reporting limit in the associated samples.

The LCS/LCSD recovery for Orthophosphate in batch 7204082 is outside the upper QC limit, indicating a potential positive bias for that analyte(s). The analyte(s) were not observed above the reporting limit in the associated samples; therefore the sample data was not adversely affected by this excursion.

The sample duplicate %RPD for Orthophosphate in batch 7204082 is outside the established QC limits. A matrix interference is physically evident in the sample.

Affected Samples:

F7G180203 (1): B1NJ25 F7G180203 (2): B1NJ16 F7G180203 (3): B1NJ17

The anion matrix spike solution contains all routine anions. Spiking technique, sample preparation and method compliance is demonstrated by the remaining acceptable MS recoveries. Poor matrix spike recovery for Fluoride in batch 7204057, Nitrite in batch 7204059, and Nitrate in batch 7204060 is attributed to matrix interference.

The sample duplicate %RPD for Nitrate in batch 7204060 is outside the established QC limits. A matrix interference is evident in the sample. Method performance is demonstrated by acceptable LCS recovery.

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F7G190478 (3): B1NL80 F7G190478 (5): B1NL76 F7G190487 (1): B1N4T3

The sample in batch 7204059 was analyzed at a dilution for Nitrite due to high concentrations of target analytes. The reporting limit has been adjusted only for those targets reported from the dilution run.

Affected Samples:

F7G190487 (1): B1N4T3

The MS recovery for Chloride in batch 7205378, Fluoride in batch 7205379, Sulfate in batch 7205380 and Nitrate in batch 7205381 is outside the established QC limits. A matrix interference is evident in the sample. Method performance is demonstrated by acceptable LCS recovery.

Affected Samples:

F7G210149 (2): B1NX88 F7G210154 (2): B1MR07 F7G230215 (4): B1NL88 F7G230215 (6): B1NL84

F7G230215 (2): B1NL53

The sample duplicate %RPD for Nitrite in batch 7207127 is outside the established QC limits. A matrix interference is evident in the sample. Method performance is demonstrated by acceptable LCS recovery.

Affected Samples:

F7G230215 (4): B1NL88

The anion matrix spike solution contains all routine anions. Spiking technique, sample preparation and method compliance is demonstrated by the remaining acceptable MS recoveries. Poor matrix spike recovery for Fluoride in batch 7208110, Nitrite in batch 7208112 and Sulfate in batch 7208116 is attributed to matrix interference.

The sample duplicate %RPD for Nitrite in batch 7208112 is outside the established QC limits. A matrix interference is evident in the sample. Method performance is demonstrated by acceptable LCS recovery.

Affected Samples:

F7G260301 (1): B1N3P7

The samples were originally analyzed within hold time, but due to CCV failure the samples had to be re-analyzed out of hold time. The results analyzed outside hold time are reported in batch 7211232 for Nitrite.

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The samples in batch 7211232 were analyzed at a dilution for Nitrite due to high concentrations of target analytes. The reporting limit has been adjusted only for those targets reported from the dilution run.

Affected Samples:

F7G210149 (2): B1NX88 F7G210154 (2): B1MR07 F7G230215 (2): B1NL53 F7G230215 (6): B1NL84

There were no observations or nonconformances to report for the following analyses:

Alkalinity
ICP-MS Metals
Mercury
Semi-Volatiles
Phenols
Sulfide
Total Organic Carbon

I certify that this Summary Package is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. The Laboratory Manager or a designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Reviewed and approved:

Michael Franks

St. Louis Project Manager

METHODS SUMMARY

SL702

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Alkalinity	MCAWW 310.1	MCAWW 310.1
Chloride	MCAWW 300.0A	MCAWW 300.0A
Extractable Petroleum Hydrocarbons	SW846 8015 MOD	SW846 3510
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	
ICP-MS (6020)	SW846 6020	
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 7470A
Nitrate as NO3	MCAWW 300.0A	
Nitrite as N	MCAWW 300.0A	MCAWW 300.0A
Nitrogen, Ammonia	MCAWW 350.1	MCAWW 350.1
Phenolics	MCAWW 420.2	MCAWW 420.2
Phenols by GC	SW846 8040A	SW846 3520
Phosphate as P, Ortho	MCAWW 300.0A	MCAWW 300.0A
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3510C
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Sulfide	SW846 9030	
Total Cyanide	SW846 9012	SW846 9012
Total Organic Carbon	SW846 9060	SW846 9060
Total Organic Halogens	SW846 9020B	SW846 9020B
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826
Volatile Petroleum Hydrocarbons	SW846 8015 MOD	SW846 5030

References:

MCAWW	"Methods for Chemical Analysis of Water and Wastes",
	EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

SL702 : F7G120385

 WO #
 SAMPLE#
 CLIENT SAMPLE ID
 SAMPLED DATE
 TIME

 J2RVE
 001
 B1NX11
 07/11/07
 11:54

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SAMPLE SUMMARY

SL702 : F7G130254

 WO #
 SAMPLED DATE
 SAMPLED DATE
 SAMPLED TIME

 J2VNC
 001
 Bln317
 07/12/07
 09:23

NOTE(S):

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SAMPLE SUMMARY

SL702 : F7G130260

WO # 5	AMPLE#	CLIENT	SAMPLE	ID		 	 	SAMPLED DATE	SAMP TIME	
J2VPK J2VP1	001 002	B1NHC0 B1NHC1						07/12/07 07/12/07		

NOTE(S):

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SAMPLE SUMMARY

SL702 : F7G130265

 WO #
 SAMPLE#
 CLIENT SAMPLE ID
 SAMPLED DATE
 SAMPLED TIME

 J2VQ1
 001
 B1NXL3
 07/12/07
 09:23

NOTE(S):

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SAMPLE SUMMARY

SL702 : F7G170247

 WO #
 SAMPLE#
 CLIENT SAMPLE ID
 SAMP
 DATE
 TIME

 J22LE
 001
 Blnx26
 07/16/07
 09:46

NOTE(S):

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SAMPLE SUMMARY

SL702 : F7G170249

 WO #
 SAMPLE#
 CLIENT SAMPLE ID
 SAMPLED DATE
 SAMPLED TIME

 J22LF
 001
 B1NXL5
 07/16/07
 09:46

NOTE(S):

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 paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SAMPLE SUMMARY

SL702 : F7G170250

<u>wo #</u>	SAMPLE#	CLIENT			SAMP TIME
J22LK	001	B1NY24	0	7/16/07	11:20
J22LM	002	B1NY25	0	7/16/07	11:20
J22LR	003	B1NY57	0'	7/16/07	13:42
J22LV	004	B1NY50	0'	7/16/07	12:44
J22LW	005	B1NY51	0'	7/16/07	12:44
J22LX	006	B1NY52	0'	7/16/07	12:44
J22L1	007	B1NY53	0	7/16/07	12:44
J22L3	008	B1NY54	0	7/16/07	12:44

NOTE(S):

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SAMPLE SUMMARY

SL702 : F7G170298

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J221T	001	B1NWY7	07/16/07	
J221X	002	B1NX01	07/16/07	

NOTE(S):

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 paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SAMPLE SUMMARY

SL702 : F7G180203

<u>wo #</u>	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J24GT	001	B1NJ25	07/17/07	10:33
J24G2	002	B1NJ16	07/17/07	09:34
J24G8	003	B1NJ17	07/17/07	09:34

NOTE(S):

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- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SAMPLE SUMMARY

SL702 : F7G180205

 WO #
 SAMPLE#
 CLIENT SAMPLE ID
 SAMPLED DATE
 SAMPLED TIME

 J24HG
 001
 B1M6N0
 07/17/07
 10:33

NOTE (S):

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- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor,
 paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SAMPLE SUMMARY

SL702 : F7G180207

<u>wo #</u>	SAMPLE#	CLIENT	SAMPLE ID		SAMPLED DATE	SAMP TIME
J24HP J24HW	001 002	BlnxL7 Blnx79			07/17/07 07/17/07	

NOTE(S):

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- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solidbility, temperature, viscosity, and weight.

SAMPLE SUMMARY

SL702 : F7G180212

<u>wo #</u>	SAMPLE#	CLIENT	· · · · · · · · · · · · · · · · · · ·	EAMPLED DATE	SAMP TIME
J24H5	001	B1NY19	C	37/17/07	14:05
J24JA	002	B1NY20		7/17/07	14:05
J24JE	003	B1NY21		7/17/07	14:05
J24JF	004	B1NY22		7/17/07	14:05
J24JL	005	B1NXY4		7/17/07	12:35
J24JT	006	Blnxy5		7/17/07	12:35
J24J0	007	B1NXY6		7/17/07	12:35
J24J1	800	B1NXY9		7/17/07	12:35
J24J6	009	B1NY00		7/17/07	12:35

NOTE(S):

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- This report must not be reproduced, except in full, without the written approval of the laboratory.
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SAMPLE SUMMARY

SL702 : F7G190478

<u>wo #</u>	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J271K J271M J271P J271T J271V	001 002 003 004 005	B1NKJ0 B1NL79 B1NL80 B1NL75 B1NL76	07/18/07 07/18/07 07/18/07 07/18/07	11:34 11:34 10:50

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
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SAMPLE SUMMARY

SL702 : F7G190485

 WO #
 SAMPLE#
 CLIENT SAMPLE ID
 SAMPLED DATE
 TIME

 J273V
 001
 BINXM0
 07/18/07
 10:50

NOTE (S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoim, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SAMPLE SUMMARY

SL702 : F7G190487

WO #	SAMPLE#	CLIENT		SAMP TIME
J274T J2741	001 002	B1N4T3 B1N5T2	07/18/07 07/18/07	

NOTE (S):

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SAMPLE SUMMARY

SL702 : F7G210149

WO # S	AMPLE#		SAMPLED DATE	SAMP TIME
J3CTH J3CTL	001 002		07/20/07 07/20/07	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SAMPLE SUMMARY

SL702 : F7G210151

 WO #
 SAMPLE#
 CLIENT SAMPLE ID
 SAMP
 DATE
 TIME

 J3CTT 001 B1NY80
 07/20/07 10:36

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SAMPLE SUMMARY

SL702 : F7G210154

WO # SAMPLE	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
J3CVM 001	B1MR06	07/20/07	
J3CV5 002	B1MR07	07/20/07	

NOTE(S):

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- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SAMPLE SUMMARY

SL702 : F7G230215

WO # SAMPLI	E# CLIENT SAMPLE ID	SAMPLED SAMP DATE TIME
J3E0Q 001	B1NL52	07/20/07 12:30
J3E0V 002	B1NL53	07/20/07 12:30
J3E0W 003	B1NL87	07/20/07 11:49
J3E0X 004	B1NL88	07/20/07 11:49
J3E00 005	B1NL83	07/20/07 12:32
J3E01 006	B1NL84	07/20/07 12:32

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SAMPLE SUMMARY

SL702 : F7G230216

<u>wo #</u>	SAMPLE#	CLIENT SAMPLE ID	SAMPLED SAMP DATE TIME
J3E03	001	B1NM75	07/20/07 08:27
J3E04	002	B1NM76	07/20/07 08:27
J3E05	003	B1NM77	07/20/07 08:27
J3E06	004	B1NM78	07/20/07 08:27

NOTE(S):

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- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor,
 paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SAMPLE SUMMARY

SL702 : F7G260301

 WO #
 SAMPLE#
 CLIENT SAMPLE ID
 SAMPLED DATE
 TIME

 J3MLP
 001
 B1N3P7
 07/25/07
 11:08

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
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- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

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ollector Dave	Williamson	•		<u> </u>	Contact/R				Telephone No.	MSI		FAX	
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107-056 reject Title					Hanford					TINO_	Teams.		
27P1-LOL JULY	2007					UF - W - 57 Shipment	36 5		Will of Lading/Air	BIII No. 20 C	77 115		<u> -</u>
Seven Trent St.	Louis				Govt V				Bill of Lading/Air		1134	28609	
retecol CERCLA						Pr	iority: 45 Days		Offsite Property I				
OSSIBLE SAMP Coutains Rad leasable per DOE Or	lioactive Materia	l at con	centrations that (are not regulat	ed for transportation per 4	9 CFR but are not	of 14 days.	CTIONS Hold : Batch all samples subm samples submitted into or				ption: Yes Y N , not to exceed SDG c	
Sample No.	Lab ID		Date	Time	No/Type Container			Sample Analysis				Preservative	
B1NX11	 	w	74107	1154	1x500-mL P	300.0_ANIONS_	IC: List-1 (5)	-	k	Cool 4C			i
B1NX11	1	w		T.	1x20-mL P	Activity Scan				Vone		-	

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DISPOSITION		. *************************************	a feeth scores en	Annual her	— brossessed answering by	·,	-	y					

Track Shipments **Detailed Results**

Not available for Wireless or non-English characters.

Conditions

(?) Quick Help

Tracking number 791341286091 Reference **SAWS-115** Signed for by S.WILSON Earth City, MO Destination Ship date Jul 11, 2007 Delivered to Shipping/Receiving Delivery date Jul 12, 2007 8:52 AM Service type Priority Overnight Weight 61.0 lbs. Status Delivered Signature image Yes available Date/Time Activity Location Details Jul 12, 2007 8:52 AM Delivered Earth City, MO 7:32 AM On FedEx vehicle for delivery EARTH CITY, MO 6:42 AM At local FedEx facility EARTH CITY, MO 5:34 AM At dest sort facility BERKELEY, MO 3:48 AM Departed FedEx location MEMPHIS, TN Jul 11, 2007 5:45 PM Left origin PASCO, WA 4:11 PM Picked up PASCO, WA 4:01 PM Package data transmitted to FedEx Subscribe to tracking updates (optional) Your Name: Your E-mail Address: Delivery E-mail address Exception Language updates updates English English # English English 1 Г Select format: First C Text C Wireless Add personal message:

By selecting this check box and the Submit button, I agree to these Terms and

o: 11a	Jud COCCREANO		tion Upon Rece		- 7/12/07
Client: Ha	COC/RFA No:	BO	HIM	Tin	
Shipper Name:	FESh	pping	Information	Multiple Package	
Shipping # (s):*	193 1093 6		e e	Sample Tempera	ture (s):** 6.
	193 1083 6. 128 4091 7.			2. 2	7.
3. 4.				3 4	B 9
5.	10. ines correspond to Numbered Sample Temp lines	••	Cample must be rec	5.	10, e contents below. Temperature
•		Y	riance does NOT af	fect the following: Metals-Lic	uid or Rad tests- Liquid or Solid
1. Y(N)	'Y" for yes, "N" for no and "N/A" for not applicable Was sample received broken?	8.	(Y) N	Sample received with	Chain of Custody?
2. (Y)N N/A		9.	Ŷĸ	Chain of Custody mat container(s)?	tches sample ID's on
3. Y N	If N/A-Was pH taken by original STL Lab?	10.	Y)N	Are there custody sea	
4. (Ŷ) N	Sample received in proper containers?	11.	Y (N) N/A	Do custody seals on c	ooler appear to be tamper
	Sample volume sufficient for				
			(Y) N	Are there custody sea	ls present on bottles?
5. 🕅 N	analysis? Headspace in VOA or TOX liquid	12.	6		
	analysis? Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)	12.	Y (N) N/A		ottles appear to be tamper
5. 🕅 N	analysis? Headspace in VOA or TOX liquid	1	6	Do custody seals on b	ottles appear to be tamper
5. Y N 6. Y N N/A 7. Y N	analysis? Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below) Were contents of cooler frisked after opening, but before unpacking? LANL, Sandia) sites, pH of ALL containers received.	13.	Y N N/A Y N be verified, EXCEP	Do custody seals on b with? Was Internal COC/W	ottles appear to be tamper
5. Y N 6. Y N N/A 7. Y N	analysis? Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below) Were contents of cooler frisked after opening, but before unpacking? LANL, Sandia) sites, pH of ALL containers received.	13.	Y N N/A Y N be verified, EXCEP	Do custody seals on b with? Was Internal COC/W	ottles appear to be tamper
5. Y N 6. Y N N/A 7. Y N	analysis? Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below) Were contents of cooler frisked after opening, but before unpacking?	13.	Y N N/A Y N be verified, EXCEP	Do custody seals on b with? Was Internal COC/W	ottles appear to be tamper
5. Y N 6. Y N N/A 7. Y N	analysis? Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below) Were contents of cooler frisked after opening, but before unpacking? LANL, Sandia) sites, pH of ALL containers received.	13.	Y N N/A Y N be verified, EXCEP	Do custody seals on b with? Was Internal COC/W	ottles appear to be tamper
5. Y N 6. Y N N/A 7. Y N	analysis? Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below) Were contents of cooler frisked after opening, but before unpacking? LANL, Sandia) sites, pH of ALL containers received.	13.	Y N N/A Y N be verified, EXCEP	Do custody seals on b with? Was Internal COC/W	ottles appear to be tamper
5. Y N 6. Y N N/A 7. Y N	analysis? Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below) Were contents of cooler frisked after opening, but before unpacking? LANL, Sandia) sites, pH of ALL containers received.	13.	Y N N/A Y N be verified, EXCEP	Do custody seals on b with? Was Internal COC/W	ottles appear to be tamper
5. Y N 6. Y N N/A 7. Y N	analysis? Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below) Were contents of cooler frisked after opening, but before unpacking? LANL, Sandia) sites, pH of ALL containers received.	13.	Y N N/A Y N be verified, EXCEP	Do custody seals on b with? Was Internal COC/W	ottles appear to be tamper
5. Y N 6. Y N N/A 7. Y N	analysis? Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below) Were contents of cooler frisked after opening, but before unpacking? LANL, Sandia) sites, pH of ALL containers received.	13.	Y N N/A Y N be verified, EXCEP	Do custody seals on b with? Was Internal COC/W	ottles appear to be tamper
5. Y N 6. Y N N/A 7. Y N	analysis? Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below) Were contents of cooler frisked after opening, but before unpacking? LANL, Sandia) sites, pH of ALL containers received.	13.	Y N N/A Y N be verified, EXCEP	Do custody seals on b with? Was Internal COC/W	ottles appear to be tamper
5. N 6. Y N N/A 7. Y N For DOE-AL (Pante) Notes: 1, W() 2, W()	analysis? Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below) Were contents of cooler frisked after opening, but before unpacking? LANL, Sandia) sites, pH of ALL containers received.	13.	Y N N/A Y N be verified, EXCEP	Do custody seals on b with? Was Internal COC/W	ottles appear to be tamper
5. N 6. Y N N/A 7. Y N For DOE-AL (Pante) Notes: 1, W() 2, W()	analysis? Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below) Were contents of cooler frisked after opening, but before unpacking? LANL, Sandia) sites, pH of ALL containers received to the cooler of the cooler opening. John 145, 151, 507-604-23 John 141, 161-054-4	13.	Y N N/A Y N be verified, EXCEP	Do custody seals on b with? Was Internal COC/W	ottles appear to be tamper
5. N 6. Y N N/A 7. Y N For DOE-AL (Pante) Notes: 1, W() 2, W()	analysis? Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below) Were contents of cooler frisked after opening, but before unpacking? LANL, Sandia) sites, pH of ALL containers received to the cooler of the cooler opening. John 145, 151, 507-604-23 John 141, 161-054-4	13.	Y N N/A Y N be verified, EXCEP	Do custody seals on b with? Was Internal COC/W	ottles appear to be tamper
5. N 6. Y N N/A 7. Y N For DOE-AL (Pante) Notes: 1, W() 2, W()	analysis? Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below) Were contents of cooler frisked after opening, but before unpacking? LANL, Sandia) sites, pH of ALL containers received to the cooler of the cooler opening. John 145, 151, 507-604-23 John 141, 161-054-4	13.	Y N N/A Y N be verified, EXCEP	Do custody seals on b with? Was Internal COC/W	ottles appear to be tamper
5. N 6. Y N N/A 7. Y N For DOE-AL (Pante) Notes: 1, W() 2, W()	analysis? Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below) Were contents of cooler frisked after opening, but before unpacking? LANL, Sandia) sites, pH of ALL containers received to the cooler of the cooler opening. John 145, 151, 507-604-23 John 141, 161-054-4	13.	Y N N/A Y N be verified, EXCEP	Do custody seals on b with? Was Internal COC/W	ottles appear to be tamper
5. N 6. Y N N/A 7. Y N For DOE-AL (Pante) Notes: 1, W() 2, W()	analysis? Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below) Were contents of cooler frisked after opening, but before unpacking? LANL, Sandia) sites, pH of ALL containers received to the sample of the	13.	Y N N/A Y N be verified, EXCEP Y	Do custody seals on b with? Was Internal COC/W	orkshare received?

DISPOSITION

(?) Quick Help

Tracking number Signed for by Ship date Delivery date 798717263140 A.BURUSON Jul 12, 2007 Jul 13, 2007 9:13 AM

Reference
Destination
Delivered to
Service type
Weight

SML-442 Earth City, MO Shipping/Receiving Priority Overnight 88.0 lbs.

Status

Delivered

Signature image available

Yes

Details Location Date/Time Activity Earth City, MO 9:13 AM Delivered Jul 13, 2007 EARTH CITY, MO 7:36 AM On FedEx vehicle for delivery EARTH CITY, MO 6:58 AM At local FedEx facility BERKELEY, MO 5:19 AM At dest sort facility MEMPHIS, TN 4:41 AM Departed FedEx location 1:00 AM Arrived at FedEx location MEMPHIS, TN PASCO, WA 5:38 PM Left origin Jul 12, 2007 PASCO, WA 4:04 PM Picked up

3:17 PM Package data transmitted to FedEx



Subscribe to tracking updates (optional)

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By selecting this check box and the Submit button, I agree to these <u>Terms and</u> Conditions

ent: Hank	ord COC/RFA No:		on Upon Recei	Date: 7/13/07 Time: 09/15
ent: 1444 lote No: 75844	75845, Initiated By:	1		Time:
•	Ship	ping I	nformation	Northinto Bankanana V (N)
ipper Name: 1	<u>-e</u>			Multiple Packages Y N Sample Temperature (s):
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5. umbered shipping lines	correspond to Numbered Sample Temp lines	**5	sample must be rece	ived at 4°C ± 2°C- If not, note contents below. Temperature ect the following. Metals-Liquid or Rad tests- Liquid or Solids
			iance does NUT atte	
Y N	for yes, "N" for no and "N/A" for not applicable): Was sample received broken?	8. (N N	Sample received with Chain of Custody?
1.09	Was sample received with proper			Chain of Custody matches sample ID's on
Y) N N/A	pH ¹ ? (If not, make note below)	9. (V N	container(s)?
Y N	If N/A-Was pH taken by original STL Lab?	10.	N (Y	Are there custody seals present on cooler?
1 1	Sample received in proper	1	7	Do custody seals on cooler appear to be tampered
(Y) N	containers?	11.	Y(N) N/A	with?
(Ŷ) N	Sample volume sufficient for	12.	(Ŷ) N	Are there custody seals present on bottles?
$\frac{(Y)^{N}}{(Y)^{N}}$	analysis? Headspace in VOA or TOX liquid	12.		Do custody seals on bottles appear to be tampere
Y N/A	samples? (If Yes, note sample ID's below)	13.	Y N N/A	with?
(Y)N	Were contents of cooler frisked after opening, but before unpacking?	14.	YN	Was Internal COC/Workshare received?
otes: Io7	1-044-60			

Disposed By

Date/Time

FINAL SAMPLE

DISPOSITION

Disposal Method (e.g., Return to customer, per lab procedure, used in process)

STL STredEUFFrack RECEIVED AUGUST 24, 2007

Track Shipments Detailed Results

(?) Quick Help

Details

Tracking number Signed for by Ship date Delivery date 798717263140 A.BURUSON Jul 12, 2007 Jul 13, 2007 9:13 AM Reference
Destination
Delivered to
Service type
Weight

SML-442 Earth City, MO Shipping/Receiving Priority Overnight 88.0 lbs.

Status

Delivered

Signature image available

Yes

Date/Time **Activity** Location Jul 13, 2007 9:13 AM Delivered Earth City, MO EARTH CITY, MO 7:36 AM On FedEx vehicle for delivery EARTH CITY, MO 6:58 AM At local FedEx facility 5:19 AM At dest sort facility BERKELEY, MO 4:41 AM Departed FedEx location MEMPHIS, TN 1:00 AM Arrived at FedEx location MEMPHIS, TN Jul 12, 2007 5:38 PM Left origin PASCO, WA 4:04 PM Picked up PASCO, WA 3:17 PM Package data transmitted to FedEx

THE PROPERTY OF STREET STREET, STREET,

Subscribe to tracking updates (optional)

Exception Delivery updates
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By selecting this check box and the Submit button, I agree to these <u>Terms and Conditions</u>

78 2 2	EIVED AUGUST 24, 20	- 1	622 -	Cho Cho
UIL	I			
Client: Hea	Lord COC/RFA No:	Condi	tion Upon Rece	Date: 7/13/07
Quote No: 7500	15365 Initiated By:	Ba		Time: 04/5
-		inning	Information	<u> </u>
Shipper Name:	<u>FÉ</u>			Multiple Packages Y N Sample Temperature (s):**
Shipping # (s):*	2C 3140 6.			1. <u>Z</u> 6
2.	7.			
	8.			3 8
4.	9.			4 9
5.	10.			5 10
*Numbered shipping line	es correspond to Numbered Sample Temp lines			eived at 4°C ± 2°C- If not, note contents below. Temperature fect the following: Metals-Liquid or Rad tests- Liquid or Soli
CanditionaCimia *V	" for yes, "N" for no and "N/A" for not applicable		THE PROPERTY OF THE	tect the following, tylerais-radius of Kad tests-radius of Soli
i. Y N	Was sample received broken?	T 8. (PO N	Sample received with Chain of Custody?
	Was sample received with proper	+		Chain of Custody matches sample ID's on
2. (Y) N N/A	pH ¹ ? (If not, make note below)	9. /	N W	container(s)?
	If N/A-Was pH taken by original	1		
3. Y N	STL Lab?	10.	N (A)	Are there custody seals present on cooler?
0	Sample received in proper	T	7	Do custody seals on cooler appear to be tampe
4. (Ŷ) N	containers?	11.	Y/N) N/A	with?
6	Sample volume sufficient for			
5. (Y) N	analysis?	12.	(P) N	Are there custody seals present on bottles?
	Headspace in VOA or TOX liquid	١.,		Do custody seals on bottles appear to be tampe
6. Y N/A	samples? (If Yes, note sample ID's below) Were contents of cooler frisked after	13.	Y(N) N/A	with?
7. (Y)N	opening, but before unpacking?	14.	Y N	Was Internal COC/Workshare received?
				
		rea must i	be verified, EXCEP	ZI VII IA TITTY ABU BOLLE
For DOE-AL (Pantex, I	ANL, Sandia) sites, pH of ALL containers received and 2-60		_	1 YOA, TOA and sons.
For DOE-AL (Pantex, I	ANL, Sandia) sites, pH of ALL containers received -043-80		-	1 YOR, TOX BIU SOIS.
For DOE-AL (Pantex, I	•			1 YOR, TOX and sons.
For DOE-AL (Pantex, I	•			1 YOR, TOX and sons.
For DOE-AL (Pantex, I	•			1 YOR, TOX and sons.
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For DOE-AL (Pantex, I	•			1 YOR, TOX and solls.
For DOE-AL (Pantex, I	•			1 YOR, TOX and soils.
For DOE-AL (Pantex, I	•			

Client Contact Name: Informed by: Sample(s) processed "as is" Sample(s) on hold until: If released, notify:

Project Management Review:

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004, REVISED 04/18/07\\SIsvr01\QA\FORMS\\ST-LOUIS\\ADMIN\\Admin\004\\ rev|1.doc
42 of 312

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STL ST Federuffrack RECEIVED AUGUST 24, 2007

Select format: HTML C Text C Wireless

Add personal message:

Not available for Wireless or
non-English characters.

Conditions

Track Ship	ments
Detailed	Results

Quick Heip

SML-442 Tracking number 798717263140 Reference Earth City, MO Signed for by Destination A.BURUSON Shipping/Receiving Delivered to Jul 12, 2007 Ship date Jul 13, 2007 9:13 AM Service type Priority Overnight **Delivery date** 88.0 lbs. Weight Delivered **Status** Signature image Yes available Details Location Date/Time Activity Earth City, MO 9:13 AM Delivered Jul 13, 2007 EARTH CITY, MO 7:36 AM On FedEx vehicle for delivery EARTH CITY, MO 6:58 AM At local FedEx facility BERKELEY, MO 5:19 AM At dest sort facility MEMPHIS, TN 4:41 AM Departed FedEx location MEMPHIS, TN 1:00 AM Arrived at FedEx location PASCO, WA Jul 12, 2007 5:38 PM Left origin PASCO, WA 4:04 PM Picked up 3:17 PM Package data transmitted to FedEx Subscribe to tracking updates (optional) Your E-mail Address: Your Name: Delivery Exception E-mail address Language updates updates 20 PM English 醛 Г **English** Г English Г 181 English

By selecting this check box and the Submit button, I agree to these Terms and

STL ST. LOUIS EEIVED AUGUST 24, 2007 Lot #(s): 127,613 Condition Upon Receipt Form COC/RFA No: Initiated By: Quote No: 747 Shipping Information Multiple Packages Shipper Name: Sample Temperature (s): Shipping # (s):* 2. 8. 3. 9. 4. 10. 10. **Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature *Numbered shipping lines correspond to Numbered Sample Temp lines variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable): Sample received with Chain of Custody? Was sample received broken? Chain of Custody matches sample ID's on Was sample received with proper container(s)? N N/A pH¹? (If not, make note below) If N/A-Was pH taken by original Are there custody seals present on cooler? STL Lab? Do custody seals on cooler appear to be tampered Sample received in proper with? containers? Sample volume sufficient for Are there custody seals present on bottles? analysis? Do custody seals on bottles appear to be tampered Headspace in VOA or TOX liquid with? samples? (If Yes, note sample ID's below) Were contents of cooler frisked after Was Internal COC/Workshare received? opening, but before unpacking? For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils. Notes: Corrective Action: ☐ Client Contact Name: Informed by: Sample(s) processed "as is" If released, notify: Sample(s) on hold until: Date: 7-8-0 THE TIME THE TIEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN Project Management Review: THIS FORM MUST BE COMPLETED A THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM. ADMIN-0004, REVISED 04/18/07\\Sisvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11 doc

STL STFedEXIFFrack RECEIVED AUGUST 24, 2007

Track	Ship	ments	
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(?) Quick Help

Details

Tracking number Signed for by Ship date Delivery date 791723637096 J.CLARK Jul 16, 2007 Jul 17, 2007 9:03 AM Reference Destination Delivered to Service type Weight

erc-1 Earth City, MO Shipping/Receiving Priority Overnight 93.0 lbs.

Status

Delivered

Signature image available

<u>Yes</u>

Location Date/Time Activity Earth City, MO 9:03 AM Delivered Jul 17, 2007 EARTH CITY, MO 6:37 AM On FedEx vehicle for delivery EARTH CITY, MO 6:31 AM At local FedEx facility BERKELEY, MO 5:54 AM At dest sort facility MEMPHIS, TN 4:02 AM Departed FedEx location MEMPHIS, TN 12:50 AM Arrived at FedEx location PASCO, WA Jul 16, 2007 5:52 PM Left origin 4:31 PM Package data transmitted to FedEx PASCO, WA 4:03 PM Picked up



Subscribe to tracking updates (optional)

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Conditions

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macred shipping lim	es correspond to Municered Sample Featily miles	Yar	iance does NOT aff	fect the following: Metals-Liquid or Rad tests- Liquid or Solids
	for yes, "N" for no and "N/A" for not applicable):	1.0	VAA ST	Complementary with Chair of Custody
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P ₂ N N/A	pH ¹ ? (If not, make note below)	9.	Y) N	container(s)?
(1)	If N/A-Was pH taken by original			
Y N	STL Lab?	10.	N, N	Are there custody seals present on cooler?
	Sample received in proper	1,, ,	Y (N) N/A	Do custody seals on cooler appear to be tampered with?
Y N	containers? Sample volume sufficient for	111.	1 1141117	Withi
N	analysis?	12.	(Y) N	Are there custody seals present on bottles?
	Headspace in VOA or TOX liquid			Do custody seals on bottles appear to be tampered
Y (N) N/A	samples? (If Yes, note sample ID's below)	13.	Y (N) N/A	with?
\mathbb{G}_{N}	Were contents of cooler frisked after opening, but before unpacking?	14.	YN	Was Internal COC/Workshare received?
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UOR HAI	NFORD Sと76	> ₂ 2	0/2	339	CHAIN (OF CU	JSTODY	/SAMPLI	E ANALY	/SIS RI	EQUEST	Γ	C.O.C.#	S07-007	
	. WALI					ntact/Reque	ster			T	elephone No.	MS		FAX	
SAF No.					Sam	Steve Trent noting Origi	i <u>n</u>			4		/Charge Code			
S07-007 Project Title						Innford Site	N-506-8			ic	e Chest No.	06-1	Temp.		
SURV.JULY 20 Shinned To (Lab)					Met	thed of Ship	ment			В	#I of Ladius/A	ir Bill No.	2010 1	3637	log/
Severn Trent St. Protocol	<u> ouis</u>					iovt. Vehick		iority: 45 Days		o	Misite Property		[1]	1 2 92	
SURV POSSIBLE SAMP ** ** Contains Rad releasable per DOE On	ioactive Materia	al at con	ncentrations that	are not regular	ted for transportation	ion per 49 CFR		SPECIAL INS All Labs except of 14 days.	TRUCTIONS WSCF: Batch all s	-	ed under A, G, I,	S, and W 07 SAFs		ption: Yes 🛣 , not to exceed S	
Sample No.	Lab ID	•	Date	Time	No/Type Con	ntainer			Sample Ar	nalysis				Preservative	
B1NXL5		W	7-16-67	OPVID	1x20-mL P	A	ctivity Scan					None			
B1NXL5		W	¥	V	4x40-mL aG	3s* 82	260_VOA_GC	MS: List-2 (26)				HCl or H2SO	4 to pH <2	Cool 4C	- 1
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RECEIVED AUGUST 24, 2007

Track Shipments **Detailed Results**

(7) Quick Help

Details

Tracking number Signed for by Ship date **Delivery date**

791723637096 J.CLARK Jul 16, 2007 Jul 17, 2007 9:03 AM

Reference Destination Delivered to Service type Weight

erc-1 Earth City, MO Shipping/Receiving Priority Overnight 93.0 lbs.

Status

Delivered

Signature image avallable

Yes

Date/Time Jul 17, 2007

Jul 16, 2007

Activity

9:03 AM Delivered 6:37 AM On FedEx vehicle for delivery 6:31 AM At local FedEx facility 5:54 AM At dest sort facility 4:02 AM Departed FedEx location

12:50 AM Arrived at FedEx location

5:52 PM Left origin 4:31 PM Package data transmitted to FedEx

4:03 PM Picked up

Location

Earth City, MO EARTH CITY, MO EARTH CITY, MO BERKELEY, MO MEMPHIS, TN

MEMPHIS, TN PASCO, WA

PASCO, WA



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Your Name:	Your E-mail Ad	dress:	
E-mail address	Language	Exception updates	Delivery updates
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Select format: F HTML Add personal message: Not available for Wireless non-English characters.			

By selecting this check box and the Submit button, I agree to these Terms and Conditions



	EIVED AUGUST 24, 20			2495
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ient: Fluor	- Hunford COC/RFA No: 1545, 15996 Initiated By:	(Below	Date: 07./707
uote No: 74057	1595 1599 Initiated By:			Time: 0900
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nipper Name:	7 ed X Ship 7 2363 7096 6.			Multiple Packages Y N
nipping # (s):*	- 42: - 42:		•	Sample Temperature (s):** 1 6
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lumbered shipping lin	es correspond to Numbered Sample Temp lines	Ast	innoe does NOT af	fect the following: Mctals-Liquid or Rad tests- Liquid or Solids
ondition (Circle "	" for yes, "N" for no and "N/A" for not applicable):	1.0	V.X.	Sample received with Chain of Custody?
Y N	Was sample received broken? Was sample received with proper	8.	(A) N	Chain of Custody matches sample ID's on
Y N N/A		9.	Y)N	container(s)?
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YN	STL Lab?	10.	(Y, N	Are there custody seals present on cooler? Do custody seals on cooler appear to be tampered
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	Headspace in VOA or TOX liquid	13.	Y (N) N/A	Do custody seals on bottles appear to be tampere with?
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N CEN	opening, but before unpacking?	14.	Y N	Was Internal COC/Workshare received?
	LANL, Sandia) sites, pH of ALL containers receive	ed must	be verified, EXCE	T VOA, TOX and soils.
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Corrective Actions	it Name:			
Client Contac	et Name: Docessed "as is"			

DISPOSITION

Disposed By

Date/Time

FINAL SAMPLE

DISPOSITION

Disposal Method (e.g., Return to customer, per lab procedure, used in process)

Contact/Requester Steve Trent Steve Trent Steve Trent W07-007 Protect Title RCRA JULY 2007 Method of Shipment Govt. Vehicle Protect RCRA Prosett Hazards/Remarks Protect Interview Material at concentrations that are not regulated for transportation per 49 CFR but are not cleasable per DOE Order \$400.5 (1990/1993) Sample No. Lab ID Date Time No/Type Container No/Type Container No/Type Container Steven Troc (1) No/Type Container Sample Analysis Preservative Sample Analysis Preservative Sample Analysis Preservative Shipment Steven Trent	Buor Hai						(CHAI	N OF	CUSTODY/	SAMPLE A	ANALYSIS RE	EQUEST	•	C.O.C	W07-00'	
RCRA_ILIT_2007 Method of Skinnest Got Vehicle Got					1				Contact/Re	quester		Tro-			MSIN		
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Control Cont	Severn Trent St.	Louis							Govt. Ve		··-··-				1 31 1	W 767 10	
SSEINE SAMPLE HAZARIS/REMARKS Total Activity Exercition Yes Mill No. Section										Prio	ority: 45 Days		insule ramberry				
Sample No. List Decorption	** ** Contains Rad	ioactive Materia	at con	centr		erc no	t regulate	ed for transpo	etation per 49	CFR but are not	All Labs except WS of 14 days.	CF: Batch all samples submits	ed under A, G, I, S	s, and W 07 S	al Activity I	Exemption: Yes ED	G closure A
## ## ## ## ## ## ## ## ## ## ## ## ##	Sample No.	Lab ID		1	Date	T	ime	No/Type	Container			Sample Analysis				Preservative	\ \C
1x1000-mL aGs* 9020_TOX: TOX (1) H2S04 to pH <2 Cod 4C			w	47.	1.07	12	V4			9060_TOC: TOC	(1)	-		HCl or H2	SO4 to pH	<2 Cool 4C	
BINY51		 		/ 7	1	+	<u>' '</u>	1x1000-r	nL aGs*	9020_TOX: TOX ((1)			H2SO4 to	pH <2 Co	ol 4C	4
BINYS1		 	w	_	 			1x250-m	L aGs*	9060_TOC: TOC	(1)			HCl or H2	SO4 to pH	<2 Cool 4C	
BINY52	B1NY51		w					1x1000-r	nl. aGs"	9020_TOX: TOX	(1)			H2SO4 to	pH <2 Co	ol 4C	
BINY52 W		† 	<u> </u>	Н			\vdash	1x250-m	L aGs*	9060_TOC: TOC	(1)			HCl or H2	SO4 to pH	<2 Cool 4C	Č
1x50-mL aGe* 9080_TOC: TOC (1)		 		Н				1x1000-	nL aGs*			· 		H2SO4 k	pH <2 Co	d 4C	
BINY53 W		 	+	H				1x250-m	L aGe*	9080_TOC: TOC	(1)			HCI or H2	2SO4 to pH	<2 Cool 4C	
B1NY55 W		-	w	H		Н		1x1000-	nL aGe*	9020_TOX: TOX	(1)			H28O4 to	pH <2 Co	al 4C	-
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Received By Print Sign Date/Time Matrix a Received By Print Sign Date/Time Matrix a S. Soil Discrete			_	IJ		K	7	1x20-ml	. P	<u> </u>				None		_	
Relinquished By Date/Time																	
Relinquished By Date/Time		_													*		
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	Relinquished By							Date	Time	Received By	·		Date/Time				

DISPOSITION

STL STredEQUIS 24, 2007

Track Shipments

Detailed Results

Quick Help

Tracking number Signed for by Ship date Delivery date 791723637096 J.CLARK Jul 16, 2007 Jul 17, 2007 9:03 AM

Reference
Destination
Delivered to
Service type
Weight

erc-1 Earth City, MO Shipping/Receiving Priority Overnight 93.0 lbs.

Delivered

Signature image available

Status

Yes

available

Date/Time		Activity	Location	Details
Jul 17, 2007	9:03 AM	Delivered	Earth City, MO	
	6:37 AM	On FedEx vehicle for delivery	EARTH CITY, MO	
	6:31 AM	At local FedEx facility	EARTH CITY, MO	
	5:54 AM	At dest sort facility	BERKELEY, MO	
	4:02 AM	Departed FedEx location	MEMPHIS, TN	
	12:50 AM	Arrived at FedEx location	MEMPHIS, TN	
Jul 16, 2007	5:52 PM	Left origin	PASCO, WA	
• •	4:31 PM	Package data transmitted to FedEx		
	4:03 PM	Picked up	PASCO, WA	



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E-mail address	Language	Exception updates	Delivery updates
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By selecting this check box and the Submit button, I agree to these Terms and

SDG# SL702

Conditions

THE KEC	EIVED AUGUST 24,	2007	Lot #(s):	76170247
STL		- 2339 -		(250)
- 	11-100	Conditi	op Upon Recei	pt Form
ient: Tolcor	Hunford COC/RFA No:	E/ C	kelow	Date: 07.1707 Time: 0900
hipper Name: 7		hipping I	nformation	Multiple Packages Y (N)
				Sample Temperature (s):**
1. <i>7917</i>				
2	7. 8.			3,8
4	^{9.}			4 9 5 10.
5.	10. s correspond to Numbered Sample Temp lines	**5	ample must be rece	ived at 4°C ± 2°C- If not, note contents below. Temperature
		vari	ance does NOT affi	ect the following: Metals-Liquid or Rad tests- Liquid or Solids
ondition (Circle "Y"	for yes, "N" for no and "N/A" for not applical Was sample received broken?	8.	(Y) N	Sample received with Chain of Custody?
- "O"	Was sample received with proper			Chain of Custody matches sample ID's on
Y ₂ N N/A	pH ¹ ? (If not, make note below) If N/A-Was pH taken by original	9.	У) И	container(s)?
Y N	STL Lab?	10.	(Y, N	Are there custody seals present on cooler?
	Sample received in proper	-	Y (N) N/A	Do custody seals on cooler appear to be tampered with?
Y N	containers? Sample volume sufficient for	11.	\sim	
N N	analysis?	12.	Y) N	Are there custody seals present on bottles?
27 (57-374	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's belo	w) 13.	Y (N)N/A	Do custody seals on bottles appear to be tampered with?
Y (N) N/A	Were contents of cooler frisked aft	er		
. <u>У</u> Й	opening, but before unpacking?	. 14.	YN	Was Internal COC/Workshare received?
For DOE-AL (Pantex, 1	ANL, Sandia) sites, pH of ALL containers re	sceived must	be verified, EXCEP	Y VOA, TOX and SORE.
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E SU	NFORD フロス		0 2	339	CHAIN O	F CUSTODY/	SAMPLE	ANALYSIS 1	REQUEST		C.O.C. #		055-2
Callecto L.D. \			<u> </u>		Conta	nct/Requester			Telephone No.	MSI		AX	-
SAF No.			·····			we Treat ling Origin			509-373-5869 Purchase Order/Cl	harge Code			-
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2UP1-LOLJULY	2007					HNF-N-52	6-0		Ice Chest Norre	-/	•		
Shinned To (Lah) Severn Trent St. J	onis					od of Shipment vt. Vehicle			Bill of Lading/Air	Bill No. 79	17 23	637	096 <
Protocol SURV						Prie	ority: 45 Days		Offsite Property N	D.			П
POSSIBLE SAMPI	ioactive Materia	l at con	centrations that	are not regula	ated for transportation	per 49 CFR but are not	of 14 days.	RUCTIONS Hei SCF: Batch all samples sub GW samples submitted into		Total Aci nd W 07 SAFs i	tivity Exempe nto one SDG, 1	tion: Yes to not to exceed	No SDG closure
Sample No.	Lab ID	•	Date	Time	No/Type Conta	iner	_	Sample Analysis		<u>-</u>		Preservati	(0
B1NWY7 (F)		W	4-16-07	244	1x500-mL G/F	P 6020_METALS_I	CPMS: Arsenic (ļн	NO3 to pH <	2		
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FINAL SAMPLE DISPOSITION		Method	l (a.g., Return to	customer, per	lab procedure, used i	in process)		Disposed By			Date/	Time:	

8					C.O.C.#	
F⊈UOR HANFORD	CHAIN OF	CUSTODY/S	SAMPLE ANALYSI	S REQUEST		07-055-5
SL702					Page 1	of 1
oduD. WALL	Contact/Re			Telephone No.	MSIN FAX	
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himed To (Lab) Severn Trent St. Louis	Method of S			Bill of Lading/Air Bill	No. 7917 2362	7096
retocol			ority: 45 Days	Offsite Property No.		
SURV POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated eleasable per DOE Order 5400.5 (1990/1993)	I for transportation per 49	CFR but are not	SPECIAL INSTRUCTIONS All Labs except WSCF: Batch all sample of 14 days. WSCF: Batch all GW samples submitted		Total Activity Exemption: V 07 SAFs into one SDG, not to	Yes No Lexceed SDG closure
Sample No. Lab ID • Date Time	No/Type Container		Sample Analysi	is	Pres	servative
	1x500-mL G/P	6020_METALS_IC			3 to pH <2	<u> </u>
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FINAL SAMPLE Disposal Method (e.g., Return to customet, per la DISPOSITION	ib procedure, used in proc	L 280)	Disposed By		Date/Time	

STL STred SULFack RECEIVED AUGUST 24, 2007

Track	Ship	ments	
Deta	iled	Resu	lts

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Details

Tracking number Signed for by Ship date Delivery date 791723637096 J.CLARK Jul 16, 2007 Jul 17, 2007 9:03 AM

Reference
Destination
Delivered to
Service type
Weight

erc-1 Earth City, MO Shipping/Receiving Priority Overnight

93.0 lbs.

Status

Delivered

Signature image available

Yes

Date/Time Activity Location Earth City, MO Jul 17, 2007 9:03 AM Delivered EARTH CITY, MO 6:37 AM On FedEx vehicle for delivery EARTH CITY, MO 6:31 AM At local FedEx facility BERKELEY, MO 5:54 AM At dest sort facility MEMPHIS, TN 4:02 AM Departed FedEx location 12:50 AM Arrived at FedEx location MEMPHIS, TN PASCO, WA 5:52 PM Left origin Jul 16, 2007

4:31 PM Package data transmitted to FedEx

4:03 PM Picked up

PASCO, WA



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By selecting this check box and the Submit button, I agree to these Terms and

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Conditions

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Y(N)	Was sample received broken? Was sample received with proper	8.	(A) M	Sample received with Chain of Custody? Chain of Custody matches sample ID's on
P ₂ N N/A	pH ¹ ? (If not, make note below)	9.	Y) N	container(s)?
ΥN	If N/A-Was pH taken by original STL Lab?	10.	Ø, N	Are there custody seals present on cooler?
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orrective Action:			Informed by	

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Details

Tracking number Signed for by Ship date **Delivery date**

790785353339 J.CLARK Jul 17, 2007 Jul 18, 2007 8:59 AM

Reference Destination Delivered to Service type Weight

GRP-03-012 Earth City, MO Shipping/Receiving **Priority Overnight** 83.0 lbs.

Status

Delivered

Signature image available

Yes

Date/Time **Activity** Location Jul 18, 2007 8:59 AM Delivered Earth City, MO 7:33 AM On FedEx vehicle for delivery EARTH CITY, MO 7:02 AM At local FedEx facility EARTH CITY, MO 6:18 AM At dest sort facility BERKELEY, MO 4:40 AM Departed FedEx location MEMPHIS, TN 1:04 AM Arrived at FedEx location MEMPHIS, TN PASCO, WA

Jul 17, 2007

5:12 PM Left origin

4:50 PM Package data transmitted to FedEx

4:04 PM Picked up

PASCO, WA

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	Was sample received with proper		\cap	Chain of Custody matches sample	ID's on
(y) N N/A	pH ? (If not, make note below)	9.	CY N	container(s)?	
YN	If N/A-Was pH taken by original STL Lab?	10.		Are there custody seals present on	cooler?
^ ′	Sample received in proper	1		Do custody seals on cooler appear	
(A) N	containers?	11.	Y W N/A	with?	
	Sample volume sufficient for	12.	Q_{N}	Are there custody seals present on	hottles?
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N (Y)	opening, but before unpacking?	14.	YN	Was Internal COC/Workshare rece	olved?
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Disposed By

Date/Time

FINAL SAMPLE

DISPOSITION

Disposal Method (e.g., Return to customer, per hib procedure, used in process)



Tracking number Signed for by Ship date Delivery date 790785353339 J.CLARK Jul 17, 2007 Jul 18, 2007 8:59 AM Reference Destination Delivered to Service type Weight

GRP-03-012 Earth City, MO Shipping/Receiving Priority Overnight 83.0 lbs.

Status

Delivered

Signature image available

Yes

Date/Time Activity Location Details Jul 18, 2007 8:59 AM Delivered Earth City, MO EARTH CITY, MO 7:33 AM On FedEx vehicle for delivery 7:02 AM At local FedEx facility EARTH CITY, MO 6:18 AM At dest sort facility BERKELEY, MO 4:40 AM Departed FedEx location MEMPHIS, TN 1:04 AM Arrived at FedEx location MEMPHIS, TN Jul 17, 2007 5:12 PM Left origin PASCO, WA 4:50 PM Package data transmitted to FedEx 4:04 PM Picked up PASCO, WA



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67 of 312

CT LOUIS	EIVED AUGUST 24, 20	07 Lot #(s):	16180203
RIGE	EIVED AUGUST 24, 20	UJ ₁₈₉₈ -	205
JIL			212
lient: Flo	w Honogooc/RFA No: Se	Epydition Upon Recei	Date: 7-18-0) Time: 9:00
75994	F	ping Information	
2. <u>1996</u> 3. 4	5.35 8.339 6	**Sample must be rece	Multiple Packages Sample Temperature (s):** 1. 6. 2. 7. 3. 8. 4. 9. 5. 10. Sived at 4°C ± 2°C- If not, note contents below. Temperature ect the following: Metals-Liquid or Rad tests- Liquid or Soli
'andition (Circle "Y"	for yes, "N" for no and "N/A" for not applicable):	a	ect the following: Metals-Liquid of Kan tests- Liquid of Soft
Y (N)	Was sample received broken? Was sample received with proper pH ¹ ? (If not, make note below)	8. W N	Sample received with Chain of Custody? Chain of Custody matches sample ID's on container(s)?
. Y N	If N/A-Was pH taken by original STL Lab?	10. 🖾 N	Are there custody seals present on cooler? Do custody seals on cooler appear to be tampe
(3) N	Sample received in proper containers? Sample volume sufficient for	11. Y 😡 N/A	with?
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For DOE-AL (Pantex, L Notes:	ANL, Sandia) sites, pH of ALL containers received a sites	ed must be verified, EXCEF	T VOA, TOX and soils.
	107-007-79,6 107-006	,, <u> </u>	
Sampleso	n COC XO7-626 Cap	ne in Orto	of tomp.
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Tracking number Signed for by Ship date Delivery date 790785353339 J.CLARK Jul 17, 2007 Jul 18, 2007 8:59 AM Reference Destination Delivered to Service type Weight

GRP-03-012 Earth City, MO Shipping/Receiving Priority Overnight 83.0 lbs.

Status

Delivered

Signature image available

Yes

Details Location Date/Time Activity Earth City, MO 8:59 AM Delivered Jul 18, 2007 EARTH CITY, MO 7:33 AM: On FedEx vehicle for delivery EARTH CITY, MO 7:02 AM At local FedEx facility BERKELEY, MO 6:18 AM At dest sort facility 4:40 AM Departed FedEx location MEMPHIS, TN 1:04 AM Arrived at FedEx location MEMPHIS, TN PASCO, WA Jul 17, 2007 5:12 PM Left origin 4:50 PM Package data transmitted to FedEx PASCO, WA 4:04 PM Picked up



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Sabmit

71 of 312

Shipping Information Shipping Information Shipping Information Sample Temperature (s):** 1. 1901 85.35 8.339 6.	lient: Flo		Condition Upon Rec	Date: 7-18-07
Shipping Information Multiple Packages N Sample Temperature (s):** 1. 1901 85.35 8339 6. 1. 6. 6. 2. 1991 0 100 38 10 3 7. 2. 17 7. 3. 8. 3. 8. 9. 4. 9. 5. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.	uote No: 7571	1411754 Initiated By:	WB.	
Multiple Packages N Sample Temperature (s):** Samp	75994	I ["	pping Information	\bigcirc
1. 149 85 35 5 339 6. 2. 190 1445 38 42 7. 3. 8. 3. 165 - 160 18. 4. 9. 4. 9. 5. 10. **Sample must be received a 4**C = 2**C** If not, note contents below. Temperature variance does NOT affect the following: Metab-Liquid or Rad tests-Liquid or Solids of Note of Rad tests-Liquid or Rad tests-Liquid or Solids of Note of Rad tests-Liquid or Rad tests-Liquid or Solids of Note of Rad tests-Liquid or Rad tests-Liquid or Solids of Rad tests-Liquid or Rad tests of Rad tests-Liquid or Rad tests or Rad	hipper Name: <u> </u>	<u>: E</u>		
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STL Lab? Sample received in proper containers? 11. Y N N/A Sample volume sufficient for analysis? Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below) N Were contents of cooler frisked after opening, but before unpacking? DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils. ODE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils. ODE-COOL - 29.2 36 DOT - 001 - 29.2 36	(y) N N/A	pH ¹ ? (If not, make note below)	9. (x' N	· · · · · · · · · · · · · · · · · · ·
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Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below) 13.	N (P)	1	12. Q N	Are there custody seals present on bottles?
Were contents of cooler frisked after opening, but before unpacking? 14. Y N Was Internal COC/Workshare received? For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils. Fotes: COCH - GOT-OOLe-/3, 4, 5 TOT-OOT-292, 36 LUCY-OOL-292, 36 LUCY-OOL-292, 36 COCH - GOT-OOLe-/3, 4, 5 TOT-OOL-292, 36 LUCY-OOL-292, 36 LUCY-OOL-		Headspace in VOA or TOX liquid	R	Do custody seals on bottles appear to be tampered
Orrective Action: Client Contact Name: Corrective Action: Collection: Collectio	Y(N) N/A		13. X N/A	with?
Corrective Action: Collect - G07-006-/2, 45	. (Ŷ) N	1	14. Y N	Was Internal COC/Workshare received?
Color-12, 4, 5 107.007-69 307-007-29236 WO7-0010 Samples on Cac X07-6010 came in out of tomp. Corrective Action: Client Contact Name: Sample(s) processed "as is" Informed by:	For DOE-AL (Pantex, I	ANL, Sandia) sites, pH of ALL containers receive	ved must be verified, EXCE	EPT VOA, TOX and soils.
Corrective Action: Client Contact Name: Sample(s) processed "as is" Informed by:	Notes:			
Corrective Action: Client Contact Name: Sample(s) processed "as is" Informed by:	COCE	= - 607-006-12,4	5	
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₩UOR HAN	FORD						CHAI	N OF	CUSTODY/S	SAMPLE ANALYSIS	REQUEST		CO.C.#	W07-007-0	
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Collector								Contact/Re	tomester		Telephone No.	MSIN		FAX	 '
	ford							Steve Tr	ना <u>र</u>		509-373-5869				— w
SAF No. F. M. HAL W07-007	L							Sampling (Hanford			Purchase Order/	Charge Code			
Project Title	_				-				MF -M- 50	<u> </u>	Ice Chest No	2807017	Temp.		
RCRA, JULY 200 Shinned To (Lab)	7				-			Method of		,	Bill of Ledlar/Ai	E BUI No.	·		
Severn Trent St. I	ouis							Govt. Ve					<u>>৸ - ৪</u>	232 -333	7
Protocel RCRA									Prio	rity: 45 Days	Offsite Property	No.			ĮΠ
POSSIBLE SAMPE •• •• Contains Radir releasable per DOE Ord	active Materia	l at co	ncentr		are no	t regulat	ted for transpo	ertation per 49		SPECIAL INSTRUCTIONS Ho All Labs except WSCF: Batch all samples sub of 14 days. WSCF: Batch all GW samples submitted into		, and W 07 SAFs in	vitv Exemi to one SDG	ption: Yes M No , not to exceed SDG cla	D AUGU
Sample No.	Lab ID		Γ	Date	7	ime	No/Type	Container		Sample Analysis				Preservative	ડેં
B1NXY4		w	7	רורו	12	3.5	1x250-m		9060_TOC: TOC ((1)		HCl or H2SO4 t	o pH <2 C	Cool 4C	
B1NXY4		w	1	1			1x1000-	nL aGs*	9020_TOX: TOX (· · · · · · · · · · · · · · · · · · ·		H2SO4 to pH <	2 Cool 4C	1	- 1
B1NXY5		w	İ	1	H		1x250-m	L aGs*	9060_TOC: TOC (HCl or H2SO4 I	o pH <2 C	Cool 4C	
B1NXY5		w	1	1			1x1000-i	nL aGs*	9020_TOX: TOX (1)		H2SO4 to pH <	2 Cool 4C		
B1NXY6		w		1		1	1x250-m	LaGs*	9060_TOC: TOC (1)		HCI or H2SO4 1	o pH <2 (Cool 4C	-8
B1NXY6		w			 	 	1x1000-	nL aGe*	9020_TOX: TOX (<u></u>		H2SO4 to pH <			
B1NXY9		W	<u> </u>	\vdash			1x20-mL	. P	Activity Scan			None			
B1NXY9		w		 	十一		1х250-гг	L aGs*	9060_TOC: TOC ((1)		HCl or H2SO4 1	b pH <2 (Cool 4C	
B1NXY9		w	-	 				nL aGs*	9020_TOX: TOX (H2SO4 to pH <			
B1NY00 (F)		w	1	/ 	1	/ 	1x500-m	L G/P	6010_METALS_IC			HNO3 to pH <2			
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PO	£x					7-	1200	09:W	Unarle	15 vom 7-18.	07 9:00	SI. -	Sludge Water	WT = Win 1. = Lion	ne e
Relinquished By							Date/		Received By		Date/Time	n =	Oil Air	V = Ven X = Othe	retation .
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FINAL SAMPLE DISPOSITION	Disposal	Motho	d (e.g.	, Retem t	o custo	mer, per	lab procedur	s, used in proc	<u></u>	Disposed By			Dete	/Tippe	

(?) Quick Help

Stiemit

Tracking number Signed for by Ship date Delivery date 790785353339 J.CLARK Jul 17, 2007 Jul 18, 2007 8:59 AM Reference Destination Delivered to Service type Weight

GRP-03-012 Earth City, MO Shipping/Receiving Priority Overnight 83.0 lbs.

Status

Delivered

Signature image available

Yes

Location Details Date/Time Activity Earth City, MO Jul 18, 2007 8:59 AM Delivered EARTH CITY, MO 7:33 AM On FedEx vehicle for delivery EARTH CITY, MO 7:02 AM At local FedEx facility BERKELEY, MO 6:18 AM At dest sort facility 4:40 AM Departed FedEx location MEMPHIS, TN 1:04 AM Arrived at FedEx location MEMPHIS, TN Jul 17, 2007 5:12 PM Left origin PASCO, WA 4:50 PM Package data transmitted to FedEx PASCO, WA 4:04 PM Picked up



Subscribe to tracking updates (optional)

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By selecting this check box and the Submit button, I agree to these Terms and

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Conditions

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imbered shipping line	s correspond to Numbered Sample Temp lines	, varia		eived at 4°C ± 2°C- If not, note conte fect the following: Metals-Liquid or	
Y N	for yes, "N" for no and "N/A" for not applicable) Was sample received broken?	8.	ØN	Sample received with Chair	n of Custody?
(I) N N/A	Was sample received with proper pH ¹ ? (If not, make note below)	9.	Q_{N}	Chain of Custody matches container(s)?	sample ID's on
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N	Sample volume sufficient for analysis?	12.	Q _N	Are there custody seals pre	
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Mechiae Womon:	Name:		Informed by:	<u></u>	
Client Contact					
Client Contact Sample(s) proc Sample(s) on he	essed "as is"		eleased, notify:		

STL ST LOUIS

F⊈UOR HA	NFORD						СНАІ	N OF	CUSTODY	/SAMPLE	ANALYS	IS REQUES		C.O.C.#	S07-006	
Collector	R. T. SICI			•				Contact/Re				Telephone No.	MSI	N	FAX	
SAF No.		-						Steve Tr Sampling (Origia			509-373-5869 Purchase Orde				
S07-006 Project Title	-		-					Hanford		1		les Chest No. /	000 00	Temp		
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Pretecol SURV										iority: 45 Days		Offsite Propert		, •		ILL
POSSIBLE SAMP * Contains Rac releasable per DOE Or	dioactive Materia	l at co	ncentra		are not	t regulat	ted for transpo	ortation per 49	CFR but are not	SPECIAL INST	RUCTIONS	Hold Time	Total Ac	tivity Exe	motion: Yes 🗹	No L
Sample No.	Lab ID		1	Date	Ti	ime	No/Type	Container		<u>'</u>	Sample Analy				Preservative	(1)
B1NL75 (F)	†	w	1/3	3/07	IN	50	1x500-m		6010_METALS_	ICP: List-3 (18)			HNO3 to pH <	2		
B1NL76	1	w	 '' '	1	<u> </u>	۱	4x40-mL	aGs*	8260_VOA_GC			<u> </u>	HCI or H2SO4		Cool 4C	4
B1NL76		W		1			1x20-mL	P	Activity Scan				None			
B1NL76		w					1x500-m	L P	300.0_ANIONS_	IC: List-1 (5)		· · · · · · · · · · · · · · · · · · ·	Cool 4C			
B1NL76	1	w					1x500-m	L G/P	310.1_ALKALIN	ITY: Alkalinity (1)			Cool 4C			
B1NL76		W		V	J	1	3x1000-i	nLaG	8270_SVOA_G0	CMS: List-1 (13)			Cool 4C			
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STEUEX | THOUSE RECEIVED AUGUST 24, 2007

Track Shipments Detailed Results

(7) Quick Help

Details

Tracking number Signed for by Ship date Delivery date 798721571929 J.CLARK Jul 18, 2007 Jul 19, 2007 9:10 AM Reference Destination Delivered to Service type Weight

erc-99-057
Earth City, MO
Shipping/Receiving
Priority Overnight
72.0 lbs.

Status

Delivered

Signature image available

<u>Yes</u>

Date/Time Jul 19, 2007 9:10 AM Delivered

7:37 AM On FedEx vehicle for delivery 6:40 AM At local FedEx facility 1:15 AM Arrived at FedEx location

Jul 18, 2007

5:43 PM Left origin 4:36 PM Package data transmitted to FedEx

4:04 PM Picked up

Location

Earth City, MO EARTH CITY, MO

EARTH CITY, MO MEMPHIS, TN PASCO, WA

PASCO, WA

Signature opcores in E-mail moultane - Track more objections

Subscribe to tracking updates (optional)

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Your E-mail Address:

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By selecting this check box and the Submit button, I agree to these <u>Terms and Conditions</u>

Subit ()



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Status	J	Delivered			
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Date/Time		Activity		Location	Details
Jul 19, 2007	9:10 AM	•		Earth City, MO	
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		At local FedEx facility		EARTH CITY, MO	
	5:59 AM	At dest sort facility		BERKELEY, MO	
	4:01 AM	Departed FedEx location		MEMPHIS, TN	
	1:15 AM	Arrived at FedEx location		MEMPHIS, TN	
Jul 18, 2007	5:43 PM			PASCO, WA	
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Suppl.

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Was sample received broken? Was sample received with proper pH¹? (If not, make note below) Y N N/A pl²? (If not, make note below) Y N STL Lab? Sample received in proper containers? Sample received in proper containers? Sample received in proper containers? 11. Y N N/A Was about taken by original structure with? Y N Sample received in proper containers? 12. Y N Are there custody seals present on cooler? Do custody seals on cooler appear to be tampere with? Y N N/A Headspace in VOA or TOX liquid samples? (If ve, note sample ID¹s below) Were contents of cooler frisked after opening, but before unpacking? Y N Was internal COC/Workshare received? **CDG-AL (Pentex, LANL, Sandia) sites, pH of ALL containers received must be wrifted, EXCEPT VOA, TOX and soits. **DOT-007-2%/W01-005-000			Yar	iance does NOT aff	ect the following: Metals-Liquid or Rad tests- Liquid or Solida
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NAME AND THE PART OF THE PART				Informed hy	r

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN 312

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN 312



Tracking number
Signed for by
Ship date
Delivery date

798721571929 J.CLARK Jul 18, 2007 Jul 19, 2007 9:10 AM Reference Destination Delivered to Service type Weight

erc-99-057 Earth City, MO Shipping/Receiving Priority Overnight 72.0 lbs.

Status

Delivered

Signature image available

<u>Yes</u>

Date/Time Activity Location **Details** 9:10 AM Delivered Jul 19, 2007 Earth City, MO 7:37 AM On FedEx vehicle for delivery EARTH CITY, MO 6:40 AM At local FedEx facility **EARTH CITY, MO** 1:15 AM Arrived at FedEx location MEMPHIS, TN Jul 18, 2007 5:43 PM Left origin PASCO, WA 4:36 PM Package data transmitted to FedEx

4:04 PM Picked up PASCO, WA



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home //www. fador now /Two alice - /The 1 - 100

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E-mail address	Language		Exception updates	Delivery updates
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By selecting this check box and the Submit button, I agree to these $\underline{\text{Terms and }}$ $\underline{\text{Conditions}}$



STL	EIVED AUGUST 24, 20	2244	Lot #(s):	-74190478 	
Client: <u>Fluor</u> Quote No: <u>15639</u>	COC/RFA No: Sou	Condit	lon Upon Rece	Date: Time:	
75890 Shipper Name: <u>Fe</u>	Ship		Information	Multiple Packages Sample Temperature (s)	7-R-8
1. <u>7987</u> 2.15 2. <u>7991 77</u> 3.	7. 8. 9. 10.			2. 4	7
	for yes, "N" for no and "N/A" for not applicable):	YEI	Sample must be received to the same does NOT aff	elved at 4°C ± 2°C- If not, note content fect the following: Metals-Liquid or Re	s below. Temperature
1. V(N)	Was sample received broken? Was sample received with proper pH¹? (If not, make note below)	8. 9.	Y N Y N	Sample received with Chain Chain of Custody matches sa container(s)?	
3. Y N	If N/A-Was pH taken by original STL Lab? Sample received in proper		Ý N Ý (Ñ)N/A	Are there custody seals prese Do custody seals on cooler a with?	
i. (1) n i. (1) n	containers? Sample volume sufficient for analysis? Headspace in VOA or TOX liquid	11. ·	Ý N	Are there custody seals prese	
N/A	samples? (If Yes, note sample ID's below) Were contents of cooler frisked after	13. 14.	YN N/A	with? Was Internal COC/Workshar	
. Y) N For DOB-AL (Pentex, L Notes	opening, but before unpacking? ANL, Sandia) sites, pH of ALL containers receive		<u> </u>		
507-006-	488 307-086-17				
S07-007- W07-00	5.600				· · · · · · · · · · · · · · · · · · ·
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i	•				

Corrective Action: Informed by: Client Contact Name: 0 Sample(s) processed "as is" Sample(s) on hold until:

Semple(s) on hold until:

Semple(s) on hold until:

Date:

7-21-07

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN 312

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN 312 If released, notify:



Tracking numb Signed for by Ship date Delivery date		799177738490 J.CLARK Jul 18, 2007 Jul 19, 2007 9:10 AM	Reference Destination Delivered to Service type Weight	saws560 Earth City, Shipping/F Priority Ov 13.0 lbs.	Receiving
Status		Delivered			
Signature imag avallable	•]	Yes			
Date/Time		Activity		Location	Details
Jul 19, 2007	9:10 AM	-		Earth City, MO	
Jul 10, 200 .		On FedEx vehicle for deli	verv	EARTH CITY, MO	
		At local FedEx facility		EARTH CITY, MO	
	5:59 AM	At dest sort facility		BERKELEY, MO	
	4:01 AM	Departed FedEx location		MEMPHIS, TN	
		Arrived at FedEx location		MEMPHIS, TN	
Jul 18, 2007	5:43 PM			PASCO, WA	
	4:04 PM	Picked up Package data transmitted	to EadEv	PASCO, WA	
Your Name:	- -	THE PROPERTY AND ADDRESS OF THE PARTY AND ADDR	Your E-mail Ad	dress:	
E-mail address		Language		Exception updates	Delivery updates
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By selecting this check box and the Submit button, I agree to these <u>Terms and Conditions</u>

Labor / house for dien in the front of the

SDG# SL702 87 of 312

			Lot #(s):	F76190478	
STL	-	2244	<u> </u>	(187)	
					: :
		Condi	ion Upon Rece		7.19.07
Client: Fluo Quote No: 75123				Time:	0915
75890 Shipper Name: <i>E</i>	Shi	pping	Information		Q Q 1.A.8
hipper Name: £	ed EX		,	Multiple Packages Sample Temperatur	
hipping # (s):* 1. 7987 21	57 1929 6.			1. 3	_ 6
2. <u>794/ 7:</u>	713 8490 7.			2. 7	7.
3.	8 9.			4.	
5.	10.			5.	10.
Numbered shipping lir	nes correspond to Numbered Sample Temp lines	Yai	Sample must be rec lance does NOT af	eived at 4°C ± 2°C- If not, note of fect the following: Metals-Liquid	ontents below. Temperature or Rad tests- Liquid or Solids
	" for yes, "N" for no and "N/A" for not applicable)		Y/N	0	halm of Christs doll
A(N)	Was sample received broken? Was sample received with proper	8.		Sample received with C Chain of Custody match	es sample ID's on
N N/A	pH ¹ ? (If not, make note below)	9.	N N	container(s)?	
YN	If N/A-Was pH taken by original STL Lab?	10.	Ϋ́N	Are there custody seals	present on cooler?
	Sample received in proper			Do custody seals on coo	
. Ю и	containers? Sample volume sufficient for	11.	Y N N/A	with?	
N	analysis?	12.	N W	Are there custody seals	present on bottles?
	Headspace in VOA or TOX liquid			Do custody seals on bott	
TO N/A	samples? (If Yes, note sample ID's below) Were contents of cooler frisked after	13.	YN N/A	with?	
		14.	YN	Was Internal COC/Work	1 1 10
Øи	opening, but before unpacking?	1 14.	1	Was Internal COC Word	share received?
	opening, but before unpacking? LANL, Sandia) sites, pH of ALL containers received		'		share received?
or DOB-AL (Pantex,	LANL, Sandia) sites, pH of ALL containers received		'		share received?
or DOB-AL (Pantex,	LANL, Sandia) sites, pH of ALL containers receive		'		share received?
otes: So 1-006	LANL, Sandia) sites, pH of ALL containers received		'		share received?
tor DOB-AL (Pantex, otes; SO 7-006 SO 7-007	LANL, Sandia) sites, pH of ALL containers received -488		'		share received?
tor DOB-AL (Pantex, otes; SO 7-006 SO 7-007	LANL, Sandia) sites, pH of ALL containers receive		'		share received?
or DOB-AL (Pentex, otes; SO 7-006 SO 7-007	LANL, Sandia) sites, pH of ALL containers received -488		'		share received?
or DOB-AL (Pentex, otes; SO 7-006 SO 7-007	LANL, Sandia) sites, pH of ALL containers received -488		'		share received?
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otes: 507-006 S07-007	LANL, Sandia) sites, pH of ALL containers received -488		'		share received?

Sample(s) processed "as is"

Sample(s) on hold until:

Spanning Management Review:

Date:

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THE INITIATOR THEN THAT DED COM IS DECIMBED TO ADDI VINCID INITIAL AND THE DATE NEVI TO THAT ITEM

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Contact/Remeester Sieve Trent SAF No.	\$357 s M No Led SDG closure
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AF No. Sampling Origin Hanford Site Furchase Order/Charge Code SITV_101.Y 2007 Method of Shipment Severn Trent St. Louis Trottecol SURV OSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not leasable per DOE Order 5400.5 (1990/1993) Sample No. Lab 1D * Date Time No/Type Container Sample No. Lab 1D * Date Time No/Type Container Sample Analysis Purchase Order/Charge Code Remainder Purchase Order/Charge Code Priority: 45 Day Offsite Property No. SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed of 14 days. WSCF: Batch all GW samples submitted into one SDG, daily closure. Preservat BINX88 W 7-20-67 OS2-4 1x500-mL P 300.0_ANIONS_IC: List-1 (5) Cool 4C	s M No Leed SDG closure
SOT-007 rotect Title SURV_ILLY 2007 Method of Ship ment Severn Trent St. Louis rotecol SURV OSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not of 14 days. Seasable per DOE Order 5400.5 (1990/1993) Sample No. Lab ID * Date Time No/Type Container SINX8 Hanford Site ### For No - 5706 - 8 Received Ship ment Govt. Vehicle Priority: 45 Days SPECIAL INSTRUCTIONS Hold Time All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed of 14 days. WSCF: Batch all GW samples submitted into one SDG, daily closure. Preservat Sample No. Lab ID * Date Time No/Type Container Sample Sample Analysis Preservat B1NX88 W 7-70-07 OFZ 1 1x500-ml P 300.0_ANIONS_IC: List-1 (5) Cool 4C	s M No Leed SDG closure
Method of Shipment Severn Trent St. Louis Total St. Louis Offsite Property No. SLIRV OSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not ideasable per DOE Order 5400.5 (1990/1993) Sample No. Lab ID * Date Time No/Type Container No/Type Container No/Type Container Sample Analysis Bill of Lading/Air Bill No. 799/1991 Offsite Property No. SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed of 14 days. WSCF: Batch all GW samples submitted into one SDG, daily closure. Preservat BIN 6 Lading/Air Bill No. 799/1991 Sample Analysis Preservat BIN 6 Lading/Air Bill No. 799/1991 Offsite Property No. Sample Analysis Preservat BIN 6 Lading/Air Bill No. 799/1991 Offsite Property No. Sample Analysis Preservat BIN 6 Lading/Air Bill No. 799/1991 Offsite Property No. Sample Analysis Preservat BIN 6 Lading/Air Bill No. 799/1991	s M No Leed SDG closure
Method of Shipment Severn Trent St. Louis. Priority: 45 Days SPECIAL INSTRUCTIONS All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed leasable per DOE Order \$400.5 (1990/1993) Sample No. Lab ID Method of Shipment Govt. Vehicle Priority: 45 Days SPECIAL INSTRUCTIONS All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed of 14 days. WSCF: Batch all GW samples submitted into one SDG, daily closure. Sample No. Lab ID Date Time No/Type Container No/Type Container Sample Analysis Preservat BINX88 W 7-70-67 OSZ4 1x500-mL P 300.0_ANIONS_IC: List-1 (5) Cool 4C	s M No Leed SDG closure
Severn Trent St. Louis rotecol SURV OSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not eleasable per DOE Order 5400.5 (1990/1993) Sample No. Lab ID * Date Time No/Type Container Sample Samples submitted into one SDG, daily closure. Sample No. Lab ID * Date Time No/Type Container Sample Sample Analysis Preservat B1NX88 W 7-70-47 OSZ-F 1x500-mt P 300.0_ANIONS_IC: List-1 (5) Cool 4C	s M No Leed SDG closure
Priority: 45 Days Offsite Property No. OSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not leasable per DOE Order 5400.5 (1990/1993) Sample No. Lab ID Date Time No/Type Container No/Type Container Sample Analysis Preservat BINX88 Priority: 45 Days Offsite Property No. SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes Aft Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed the sample Submitted into one SDG, daily closure. Sample No. Lab ID * Date Time No/Type Container Sample Analysis Preservat BINX88 Offsite Property No.	s M No Leed SDG closure
SURV OSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not of 14 days. Sample No. Lab ID Date Time No/Type Container No/Type Container Sample Analysis Preservat B1NX88 W 7-20-67 OSZ-F 1x500-mL P 300.0_ANIONS_IC: List-1 (5) Cool 4C	s No Led SDG closure
** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not leasable per DOE Order 5400.5 (1990/1993) All Labs except WSCF: Batch all samples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed leasable per DOE Order 5400.5 (1990/1993) Sample No. Lab ID * Date Time No/Type Container Sample Analysis Preservat B1NX88 W 7-20-67 0824 1x500-mL P 300.0_ANIONS_IC: List-1 (5) Cool 4C	ed SDG closure
B1NX88 W 7-20-67 0824 1x500-mL P 300.0_ANIONS_IC: List-1 (5) Cool 4C	ative
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Severn Trent St.	Louis					amou or a Govt. Vel	Shipment nicle				7991	7927	8357	
Protocol SURV							Prio	rity: 45 Days		Offsite Property	No.			
POSSIBLE SAMP ** ** Contains Rac releasable per DOE Or	lioactive Materia	il at con	centrations that	are not regular	ted for transportati	ion per 49		of 14 days.	CTIONS Held F: Batch all samples subm samples submitted into o		, and W 07 SAFs	tivity Exemptions one SDG, no	on: Yes 🗹 No It to exceed SDG cl) AUGU
Sample No.	Lab ID	•	Date	Time	No/Type Cor	ntainer			Sample Analysis				Preservative	S
B1NXM1		W	7/20/0	19,20	1x20-mL P		Activity Scan				None	· · · ·	•	
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MNAL SAMPI DISPOSITION	_	Method	d (e.g., Return t	o customer, pe	r lab procedure, us	ed in proc	css)	Di	isposed By	,		Dute/F		

STLICST THE RECEIVED AUGUST 24, 2007

Track Shipments Detailed Results

Quick Help

Details

Tracking number Signed for by Ship date Delivery date 799179278357 A.BRUNSON Jul 20, 2007 Jul 21, 2007 8:40 AM

Reference
Destination
Delivered to
Service type
Weight

SML-438 Earth City, MO Shipping/Receiving Priority Ovemight 70.0 lbs.

Status

Delivered

Signature image available

<u>Yes</u>

Date/Time Activity Location 8:40 AM Delivered Jul 21, 2007 Earth City, MO 7:19 AM On FedEx vehicle for delivery EARTH CITY, MO 7:07 AM At local FedEx facility EARTH CITY, MO 5:37 AM At dest sort facility BERKELEY, MO 4:07 AM Departed FedEx location MEMPHIS, TN 12:54 AM Arrived at FedEx location **MEMPHIS, TN** 5:18 PM Left origin Jul 20, 2007 PASCO, WA 4:08 PM Picked up PASCO, WA

3:15 PM Package data transmitted to FedEx



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mbered shipping lines correspond to Numbered Sample Temp line	8 ***	Sample must be reci	cived at 4°C ± 2°C- If not, note contents below. Temperature feet the following: Metals-Liquid or Rad tests-Liquid or Solids
ndition (Circle "Y" for yes, "N" for no and "N/A" for not applic			
Y N Was sample received broken?	8. ((Y) N	Sample received with Chain of Custody?
Was sample received with proper		7.	Chain of Custody matches sample ID's on
Y) N N/A pH ¹ ? (If not, make note below)	9, (N N	container(s)?
If N/A-Was pH taken by original Y N STL Lab?	10.	N(Y)	Are there custody seals present on cooler?
Y N STL Lab? Sample received in proper			Do custody seals on cooler appear to be tampered
N containers?	11.	Y(N) N/A	with?
Sample volume sufficient for		(P) N	A there conto day people present on bottles?
Y) N analysis?	12.	(A) M	Are there custody seals present on bottles? Do custody seals on bottles appear to be tampered
Headspace in VOA or TOX liquid YN N/A samples? (If Yes, note sample ID's bel	ow) 13.	Y N N/A	with?
Were contents of cooler frisked at	fter	100	
opening, but before unpacking?	14.	YN	Was Internal COC/Workshare received?
DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers in	received must	be verified, EXCE	T VOA, TOX and soils.
otes:			
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orrective Action:		Informed by	·:
Client Contact Name:			
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	V RTS	CKLE			Stev	re Trent			509-373-5869	MSIN	FAX	
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POSSIBLE SAMI ** ** Contains Ra- releasable per DOE O	dioactive Materia	al at co	ncentrations flat	are not regula	led for transportation p	per 49 CFR but are not	of 14 days.	Batch all samples s	old Time abmitted under A, G, I, S to one SDG, daily closure	, and W 07 SAFs into one	Exemption: Yes	V No
Sample No.	Lab ID		Date	Time	No/Type Contain	ner		ample Analysis	-		D	
B1NY80 (F)	1	W	7-20-07		1x500-mL G/P					HNO3 to pH <2	Preserva	tive 🕜
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PINAL SAMPL DISPOSITION		Method	(e.g., Return to	customer, per	lab procedure, used in	process)	Disp	peed By			Date/Time	

SFELENT THE RECEIVED AUGUST 24, 2007

Track Shipments Detailed Results

(?) Quick Help

Details

Submit

Tracking number Signed for by Ship date Delivery date 799179278357 A.BRUNSON Jul 20, 2007 Jul 21, 2007 8:40 AM

Reference
Destination
Delivered to
Service type
Weight

SML-438 Earth City, MO Shipping/Receiving Priority Overnight 70.0 lbs.

Status

Delivered

Signature image available <u>Yes</u>

Date/Time Activity Location 8:40 AM Delivered Jul 21, 2007 Earth City, MO 7:19 AM On FedEx vehicle for delivery EARTH CITY, MO 7:07 AM At local FedEx facility EARTH CITY, MO 5:37 AM At dest sort facility BERKELEY, MO 4:07 AM Departed FedEx location MEMPHIS, TN 12:54 AM Arrived at FedEx location MEMPHIS, TN 5:18 PM Left origin Jul 20, 2007 PASCO, WA 4:08 PM Picked up PASCO, WA

3:15 PM Package data transmitted to FedEx



Subscribe to tracking updates (optional)

Conditions

Your Name:		Your E-mail Addn	988:	
E-mail address	Language		Exception updates	Delivery updates
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By selecting this check box and the Submit button, I agree to these Terms and

7 - 4 - 4 - 6	CIVED AUGU	31 24, Zi)U/ ₁	Lot #(s): <u>/-</u>	14210147 105D	F74230216
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pper Name:	FE	Shipp	ing In -	formation	Multiple Packages	Y
nnine # (s):*	7927 8357	6.			Sample Temperature	(s):** 6
·		7.			2.	7. 8.
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mbered shipping line] s correspond to Numbered Sample	O. e Temp lines	**Sa	mple must be rece	5, lived at 4°C ± 2°C- if not, note con	10.
	for yes, "N" for no and "N/A" for			<u> </u>	ect the following: Metals-Liquid	
YN	Was sample received bro	ken?	8.	Y) N	Sample received with Ch Chain of Custody matche	ain of Custody? s sample ID's on
Y) N N/A	Was sample received wit pH ¹ ? (If not, make note	below)	9. (Y N	container(s)?	
ΥN	If N/A-Was pH taken by STL Lab?	original	10.	Ŷ) Ŋ	Are there custody seals p	resent on cooler?
$\overline{}$	Sample received in prop		11.	Y(N) N/A	Do custody seals on cool with?	er appear to be tampered .
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(Y) N	analysis? Headspace in VOA or To		12.	N N	Are there custody seals p Do custody seals on bottl	es appear to be tampered
YNNA	were contents of cooler	ole ID's bolow)	13.	A(N) N/V	with?	·
D N	opening, but before unpa	cking? .	14.	Y N	Was Internal COC/Work	share received?
or DOB-AL (Pantex,	LANL, Sandia) sites, pH of ALL	containers received	must be	verified, EXCEP	T VOA, TOX and soils.	
otes:	S07-004			<u> </u>		
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	SO7-007				<u> </u>	
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Client Contact Sample(s) pro				miormed by:		
Sample(s) on h	old until:	<i></i>	If re	leased, notify:	07-26-07	
oject Managemer				Date:	= - 1	

Fuch leafaced K. B. HJLSE ASSIL 2007 To ff ab) Then St. Louis LE SAMPLE HAZARDS/REMARKS Contains Redicoctive Material at concentrations that are not regulated for transper DOE order 5400.5 (1990/1993)	Contact/Requester Dot Stewart Sampling Orien Hanford Size Method of Shipment	Telenhane No. MSIN FAX
E HUSE 7597 PRIL 2007 Cable and SAMPLE HAZARDS/REMARKS airs Redicective Material at concentrations that are not regulated for transpose order 5400.5 (1990/1993)	F-17-506	MSIN
PRIL 2007 Mah) FORT ST. Louis SAMPLE HAZARDS/REMARKS ains Radioactive Material at concentrations that are not regulated for trans DOE Order 5400.5 (1990/1993)	F-17-506	VIICIMI 99
Project Title SURV. APRIL 2007 Shinned To ff ab) Scorem Treat St. Louis Protocol SURV POSSIBLE SAMPLE HAZARDS/REMARKS ** Contains Redicective Material at concentrations that are not regulated for transcribes per DOE Order \$400.5 (1990/1993)	705-17-2	Purchase Order/Charge Code
frah) SAMPLE HAZARDS/REMARKS aris Radioactive Material at concentrations that are not regulated for trave	Method of Shipment	Ice Chest No. S. 4. L-43 & Temp.
Protocol SURV POSSIBLE SAMPLE HAZARDS/REMARKS ** Contains Radiosctive Material at concentrations that are not regulated for transportation per 49 CFR but releasable per DOE Order 5400.5 (1990/1993)	Gost Vehicle	Bill of Lading/Air Bill No. 754/ 7527 8357
SAMPLE HAZARDS/REMARKS Lars Radioactive Material at concentrations that are not regulated for trans DOE Order 5400.5 (1990/1993)	Prior	
	SPECTAL INSTRUCTIONS All Libs except WSCF: Batth all PNNL closure of 14 days. WSCF: Batch all PNNL GW samples sub	Hold Time Total Activity Exemption: Yes V No surples submitted under A, G, I, S, and W 07 SAFs into one SDG, not to exceed SDG matted into one SDG, daily closure.
Sample No. Lab ID • Date Time No/Ty	No/Type Container Sample Analysis	Preservative
M1 16/047 W	1x500-mL G/P 6020_METALS_ICPMS: Arsenic (1)	HNO3 to pH <2
	nt. P Activity Scan	None
W V 1x500-mL P	-mL P 300.0_ANIONS_IC: Llst-1 (5)	Cool 4C
Relinquished By Exhaustrated By Date Relinquished By Date And By Date And	Date/Time /q/22 Received By Print Sign JUL Date/Time Received By Print Sign JUL Date/Time Received By Received By Boat-Time Received By Bate/Time Received By	Detertine 2 fl 2007 1462 S = Soil INS = Drum Soild S = Soid INS = Drum Soild S = Soid INS = Drum Inii N
FIRMAL SAMPLE Disposed Method (e.g., Return to evatomer, per his procedure, used in process) **DESPOSITION**	hare, used in process) Disposed By	DetecTime

SFELDEN THE RECEIVED AUGUST 24, 2007

Track Shipments **Detailed Results**

(7) Quick Help

Details

Tracking number Signed for by Ship date **Delivery** date

799179278357 A.BRUNSON Jul 20, 2007 Jul 21, 2007 8:40 AM Reference Destination **Delivered** to Service type Weight

SML-438 Earth City, MO Shipping/Receiving **Priority Overnight** 70.0 lbs.

Status

Delivered

Activity

Signature Image available

Yes

Date/Time Jul 21, 2007

8:40 AM Delivered

7:19 AM On FedEx vehicle for delivery 7:07 AM At local FedEx facility 5:37 AM At dest sort facility 4:07 AM Departed FedEx location 12:54 AM Arrived at FedEx location 5:18 PM Left origin

Jul 20, 2007

4:08 PM Picked up

3:15 PM Package data transmitted to FedEx

Location

Earth City, MO EARTH CITY, MO EARTH CITY, MO BERKELEY, MO MEMPHIS, TN MEMPHIS, TN PASCO, WA PASCO, WA

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Your E-mail Address:

E-mail address	Language	Exception updates	Delivery updates
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Not available for Wireless or non-English characters.



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By selecting this check box and the Submit button, I agree to these Terms and Conditions

RECEIVED AUGUST 2	24, 2007 Lot #(s): <u>F</u>	76210149 174230216
STECEIVED AUGUST 2	- 2350	76230215 80
Client: Flor Hambook COC/RFA No: Quote No: 75914, 75943, 75945 Initiated By:	Condition Upon Rece	Date: 7-21-07 Time: 8:45
Thian, 75439 Shipper Name: FF Shipping #(s):* 1. 7991 7927 8357 6	Shipping Information	Multiple Packages Y Sample Temperature (s):** 1. 6. 7.
4	lines #PSample must be rec	3. 8. 9. 5. 10. ceived at 4°C ± 2°C· If not, note contents below. Temperature
Numbered shipping lines correspond to Numbered Sample Temp Condition (Circle "Y" for yes, "N" for no and "N/A" for not ap	variance does NOT at	ffect the following: Metals-Liquid or Rad tests- Liquid or Solids
Was sample received broken? Was sample received with prop pH ¹ ? (If not, make note below	9. Y N	Sample received with Chain of Custody? Chain of Custody matches sample ID's on container(s)?
If N/A-Was pH taken by origin STL Lab? Sample received in proper containers?	10. YN N/A	Are there custody seals present on cooler? Do custody seals on cooler appear to be tampered with?
Sample volume sufficient for enalysis? Headspace in VOA or TOX liq	12. (§ N	Are there custody seals present on bottles? Do custody seals on bottles appear to be tampered.
Were contents of cooler frisked opening, but before unpacking	lafter 14. Y N	with? Was Internal COC/Workshare received?
For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL contains Notes:	ars received must be verified, EXCE	PT VOA, TOX and soils.
COC# - S07-004-148 507-006		
\$07-001 W67-00le		
<u> </u>		
		(
Corrective Action: Client Contact Name:	Informed by:	
☐ Sample(s) processed "as is" ☐ Sample(s) on hold until: Project Management Review:	If released, notify:	

FEUOR HA	ー ひしい NFORD Sとつ						CHAI	N OF (CUSTODY/	SAMPLE A	NALYS	IS REQUEST	•	C.O.C.#	S07-006-3	 ;
S	or Harrioro														ge <u>1</u> of <u>1</u>	:
	B. HULSE							Contact/Re				Telephone No. 509-373-5869	MS	IN	FAX	
Ai No.								Sampling C)rigin	Purchase Order/Charge Code						REC
S07-006 roject Title								Hanford :	F -10-502	9		Ice Chest No.		Temp.	· · · · · · · · · · · · · · · · · · ·	┤
SURV. JUNE 20	07							- ' ' '		7		Ice Chest No.	nc 438	,		
Severe Trent St.	Louis							Method of : Govt. Vel				Bill of Lading/A	ir Bill No. 7	9911	927 835	ブ 胃
rotecel										ority: 45 Days		Offsite Property	No.			\neg \vdash
SURV *** CONSTRUE SAMP ** ** Contains Rac cleasable per DOE On	dioactive Materia	d at cor	nce min		are no	regula	ed for transpo	artation per 49	CFR but are not	SPECIAL INSTRU	CTIONS	Hold Time	Total A	ctivity Ex er	mption: Yes 🗹 N	
Sample No.	Lab ID			Date	Т	me	No/Type	Container	T	<u> </u>	Sample Analys	sis			Preservative	∐S
B1NL52 (F)	 	w	<u> </u>	20/57		W	1x500-m		6010 METALS I	CP: List-3 (18)			HNO3 to pH	 <2		
B1NL53	1	W	"	<u> </u>	-₩		4x40-mL		8260_VOA_GCM	, ,			HCI or H2SO		Cool 4C	
B1NL53		w		†			1x20-ml.	. P	Activity Scan			- '	None		· · · · · · · · · · · · · · · · · · ·	","
B1NL53	 	w	1	†	Н		1x500-m	LP	300.0_ANIONS_I	C: List-1 (5)		···	Cool 4C			<u>7</u>
B1NL53		W	h	/	1		1x500-m	L G/P	310.1_ALKALINI	TY: Alkalinity (1)		 	Cool 4C			- 3
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F UOR HA		_			4	CHAI	N OF	CUSTODY/	SAMPLE A	NALYSI	S REQUEST	•	C.O.C.		06-320
ន	5670	×											P	age 1 o	T 1
Collècter		F Hani SICK					Contact/Re			· · · · · · · · · · · · · · · · · · ·	Telephone No.	MS		FAX	
AF No.	Th. 1.	SICK	<u> </u>				Steve Tr Sampling (509-373-5869 Purchase Order				
S07-006							Hanford	Site							
roiect Title _SURV.JUNE 20	07							HNF-	N-506/	18	Ice Chest No. 5	MLY38	Temp	.	
hinned To (Lah)							Method of				Bill of Lading/A		1201	-141	mr)
Severn Trent St.	Louis	 -					Govt. Ve						7771	7927	8157
SURV								Priv	ority: 45 Days		Offsite Property	Ne.			
POSSIBLE SAMP ** ** Contains Rad eleasable per DOE Or	lioactive Materi	al at con	centrations that	are no	ol regulat	ed for transp	ortation per 49	9 CFR but are not	SPECIAL INSTR	UCTIONS	Hold Time	Total A	ctivity Exe	emption: Yes	₩ No L
Sample No.	Lab ID	*	Date		ime	No/Type	Container		<u> </u>	Sample Analysis				Preservat	ive
B1NL87 (F)		W	7-20-07	ľ	19	1x500-m	L G/P	6010_METALS_N	CP: List-3 (18)			HNO3 to pH <	<2		<u> </u>
B1NL88		W	1		1	1x20-mL	Р	Activity Scan		·		None			
B1NL88		W				1x500-m	LP	300.0_ANIONS_I	C: List-1 (5)			Cool 4C	•		
B1NL88		W	1	•	•	1x500-m	L G/P	310.1_ALKALINI	Y: Alkalinity (1)			Cool 4C			
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EINAL SAMPLIBISPOSITION		Method	(e.g., Return to	custo	mer, per	ab procedure	, used by proc	:06S)	ľ	Disposed By			D	ste/Time	
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Collector SA 7-26-07 E- SAF No. S07-006 Project Title SURV. JUNE 206 Shinned To (Lah) Seven Trent St. Protocol SURV POSSIBLE SAMP ** ** Contains Radi	CHAIN (SURVE THE TOTAL SING SURVE THE TOTAL SING SURVE THE SUR						SAMPLE ANALY SOL -9-8 M4: ority: 45 Days SPECIAL INSTRUCTIONS	MSIN /Charge Code SML V3 (Text) ir Bill No. 799/	S07-006-314 Page 1 of 1 FAX	RECEIVED A	
				17-20-61							UG
Sample No.	Lab ID		Date	Time	No/Type Contains	er	Sample A	πałysis		Preservative	SP
B1NL83 (F)		w	7 kel07	1232	1x500-mL G/P	6010_METALS_I	·	<u> </u>	HNO3 to pH <2		Ť
B1NL84		W			1x20-mL P	Activity Scan			None		以
B1NL84		W			1x500-mL P	300.0_ANIONS_	IC: List-1 (5)		Cool 4C	,	-
B1NL84		W	V	V	1x500-mL G/P	310.1_ALKALINI	TY: Alkalinity (1)		Cool 4C		囚
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	<u> </u>	1	L		# 7-20-c	<u>, </u>		44 > 04	,		l
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Relinquished By	H-7/20	<u>UKE</u>	- (<u>/UL</u> 2-2	Date/Time	Reserved By	Y	Date/Time	S = Soit SE = Serbi SO = Solid SE = Slude	re Tissue WI = Wine	
Relinquished By	 			,-,-	Date/Time	Received By	78	Date/Time	W = Wate O = Oil A = Air	er (= Eionid V = Vesetation X = Other	en
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FINAL SAMPLE DISPOSITION		Method	i (e.g., Ratum t	o customer, per	lab procedure, used in p	nrocess)	Disposed By			Date/Time	\dashv
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FELEX TraceRECEIVED AUGUST 24, 2007

Track Shipments Detailed Results

? Quick Help

Tracking number Signed for by Ship date Delivery date 799179278357 A.BRUNSON Jul 20, 2007 Jul 21, 2007 8:40 AM

Reference Destination Delivered to Service type Weight

SML-438 Earth City, MO Shipping/Receiving Priority Overnight 70.0 lbs.

Status

Delivered

Signature image available

<u>Yes</u>

Date/Time Activity Location Details Jul 21, 2007 8:40 AM Delivered Earth City, MO 7:19 AM On FedEx vehicle for delivery EARTH CITY, MO 7:07 AM At local FedEx facility EARTH CITY, MO 5:37 AM At dest sort facility BERKELEY, MO 4:07 AM Departed FedEx location MEMPHIS, TN 12:54 AM Arrived at FedEx location MEMPHIS, TN Jul 20, 2007 5:18 PM Left origin PASCO, WA 4:08 PM Picked up PASCO, WA

3:15 PM Package data transmitted to FedEx



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unbered shipping line	s correspond to Numbered Sample Temp line	Var	Sample must be rec- izace does NOT af	eived at 4°C ± 2°C- If not, note cor feet the following: Metals-Liquid	ntents below. Temperature or Rad tests- Liquid or Solids
ndition (Circle "Y" Y N	for yes, "N" for no and "N/A" for not applic Was sample received broken?	8.	Y) N	Sample received with Ch	
	Was sample received with proper		17	Chain of Custody matche	es sample ID's on
Y) N N/A	pH ¹ ? (If not, make note below)	9. (ZY N	container(s)?	*****
T.,	If N/A-Was pH taken by original	10.	Y)N	Are there custody seals p	resent on cooler?
<u> Y N</u>	STL Lab? Sample received in proper	10,	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Do custody seals on cool	er appear to be tampered
$\bigcap_{N}N$	containers?	11.	Y(N) N/A	with?	
W. N.	Sample volume sufficient for	 			
(Y)N (X)	analysis?	12.	(Ф) и	Are there custody seals p	resent on bottles?
M	Headspace in VOA or TOX liquid			Do custody seals on bottl	es appear to be tampered
YNNA	samples? (If Yes, note sample ID's bel		N/N/A	with?	<u>, , , , , , , , , , , , , , , , , , , </u>
	Were contents of cooler frisked a	itter 14.	Y N	Was Internal COC/Work	share received?
N N	opening, but before unpacking?				Situro 10001704.
x DOE-AL (Pantex, L	ANL, Sandia) sites, pH of ALL containers	Mum Devisoor	be venned, EXCEP	1 YUA, 1UX and solis.	
otes:	·		<u> </u>		
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Client Contact		<u>.</u>	Informed by:		
Sample(s) proc		1£.	alegged wester.		
Sample(e) on he	old until:	171	eleased, notify:		
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FA	A	0	- 9 ←	, ^												
FLUOR HAI	NFORD	K-0	· ⊃ =				СНАІ	N OF	CUSTODY/S	SAMPLE A	NALYSIS	REQUEST	•	C.O.C.#	V07-006- 2	266
SL 7	702											im Quioi		Page	: 1 of 1	
oli d etor	Fluor Ha			<u> </u>				Contact/Re				Telephone No.	MS		FAX	
0	K.B.HU	LSE						Steve To				509-373-5869				
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nned To (Lah)								Method of	Shipment		· · · · · · · · · · · · · · · · · · ·	Bill of Lading/A	I DIN NA		77 62-	П
Severn Trent St. Severn Trent St.	Louis							Govt. Ve	· · · · · · · · · · · · · · · · · · ·	rity: 45 Days		Offsite Property	No.	711 17	27 835	´ ⊢≤
RCRA SSIBLE SAMPI	LE HAZARI	IS/RE	MAR	KS				<u></u>	FIRE	SPECIAL INSTRU	CTIONS B	old Time		ctivity Evens	otion: Yes 🗸 N	
** Contains Rad casable per DOE On	licactive Materia	ıl at cor	ncentrat	ions tha	tare ne	ot regulat	ed for transp	ortation per 49	CFR but are not	All Labs except WSCI of 14 days.	: Batch all samples so samples submitted int	abmitted under A, G, I, S o one SDG, daily closur	S, and W 07 SAF	s into one SDG,	not to exceed SDG	closure
C1- N-	T		Г.		Ι.	<u> </u>			1							
Sample No. 1NM75	Lab ID	w		atc		ime		Container mL aGs*	9020_TOX: TOX (1)	Sample Analysis		H2SO4 to ph	Les Cool 4C	Preservative	<u> </u>
1NM75		W	1/2	0/07	10	00'	1x250-m		9060_TOC: TOC				HCI or H2SO			
1NM76		W		+	\vdash			mL aGs*	9020_TOX: TOX (H2SO4 to pH			
1NM76		W		 	 		1x250-m		9060_TOC: TOC	·			HCl or H2SO			
1NM77		W		1	T		1x1000-	mL aGe*	9020_TOX: TOX (H2SO4 to ph			
1NM77		w			T		1х250-гг	L aGs*	9060_TOC: TOC	1)			HCl or H2SO	4 to pH <2 C	Cool 4C	
1NM78	i — —	W					1x1000-	mL aGs*	9020_TOX: TOX (1)			H2SO4 to pt	<2 Cool 4C		
1NM78		W					1x250-rr	L aGs*	9060_TOC: TOC (1)			HCl or H2SO	4 to pH <2 C	cool 4C	
1NM82		W	1	/		,	1x20-ml	. P	Activity Scan				None			
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kelinquisbed By Flubr H K. B. H	anford Print ULSE	2	3	Sign		ァ ル	24	2007 'ሃ ሪ 'አ	Received By FED E	Print	Sign	Date/Time	400		Matrix *	
elinquished By				7 6			Date/		Received By	$\overline{}$		Date/Time	SF	= Soil = Sediment	Di. = Dr	nm Solid nm Liani
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FINAL SAMPL		Method	i (e.g.,)	Kenim t	O CHIERO	mer, per	und procedure	e, used in proc	2006)	Die	sposed By			Date	/Time	

FELENT Track RECEIVED AUGUST 24, 2007

Track Shipments **Detailed Results**

Quick Help

Details

Tracking number Signed for by Ship date **Delivery date**

799179278357 A.BRUNSON Jul 20, 2007 Jul 21, 2007 8:40 AM

Reference Destination Delivered to Service type Weight

SML-438 Earth City, MO Shipping/Receiving **Priority Overnight** 70.0 lbs.

Status

Delivered

Signature image

avallable

<u>Yes</u>

Date/Time Activity Location Jul 21, 2007 8:40 AM Delivered Earth City, MO 7:19 AM On FedEx vehicle for delivery EARTH CITY, MO 7:07 AM At local FedEx facility EARTH CITY, MO 5:37 AM At dest sort facility BERKELEY, MO 4:07 AM Departed FedEx location MEMPHIS, TN 12:54 AM Arrived at FedEx location MEMPHIS, TN 5:18 PM Left origin Jul 20, 2007 PASCO, WA 4:08 PM Picked up PASCO, WA

3:15 PM Package data transmitted to FedEx



Subscribe to tracking updates (optional)

Your Name:		Your E-mail Addr	188:	
E-mail address	Language		Exception updates	Delivery updates
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By selecting this of Conditions		mit button, I agree to these	Terms and	Submit

105 of 312 ŞDG# SL702 http://www.fedex.com/Tracking/Detail?ftc start url=&totalPieceNum=&backTo=&template type=print... 7/27/2007

STE	CEIVED AUGUST 24,	, 2007 - 2350 -		76210149 (£742302163) 76230215 30
Quote No: 75484 7620 Shipper Name:	n 1 1	AB SA	on Upon Recei	pt Form
2. 3. 4. 5. Numbered shipping lines	7	++S vari	ample must be reco	
Condition (Circle "Y" Y N	for yes, "N" for no and "N/A" for not applica Was sample received broken?	ble):	Y) N	Sample received with Chain of Custody? Chain of Custody matches sample ID's on
Y N N/A	Was sample received with proper pH ¹ ? (If not, make note below) If N/A-Was pH taken by original	9, (N N	container(s)?
. Y N	STL Lab? Sample received in proper	10.	Ý) N	Are there custody seals present on cooler? Do custody seals on cooler appear to be tampered
. (YN . (Y)N / (1	containers? Sample volume sufficient for analysis?	11,	Y(N) N/A (8) N	with? Are there custody seals present on bottles?
· VNAA	Headspace in VOA or TOX liquid asamples? (If Yes, note sample ID's below Were contents of cooler frisked after		YN N/A	Do custody seals on bottles appear to be tampered with?
, N For DOE-AL (Pantex, L Votes:	opening, but before unpacking? ANL, Sandia) sites, pH of ALL containers re	. 14. coived must t	Y N ne verified, EXCER	Was Internal COC/Workshare received? T VOA, TOX and soils.
COC# -	\$07-004			
	507-006 507-001-266 W67-001			
Corrective Action:			1-0-11	
Client Contact Sample(s) proc Sample(s) on he	essed "as is" old until:	<u> </u>	eleased, notify:	

STUBET THOUSE RECEIVED AUGUST 24, 2007

Track Shipments **Detailed Results**

(*) Quick Help

Tracking number Signed for by Ship date

Delivery date

792384808563 T.HILL Jul 25, 2007

Jul 26, 2007 8:04 AM

Reference Destination Delivered to Service type

Weight

SML-125 Earth City, MO Shipping/Receiving **Priority Overnight** 34.0 lbs.

Status

Delivered

Signature Image available

Yes

Date/Time Jul 26, 2007

Activity 8:04 AM Delivered

6:51 AM On FedEx vehicle for delivery 6:44 AM At local FedEx facility 5:38 AM At dest sort facility 4:37 AM Departed FedEx location 1:01 AM Arrived at FedEx location

Jul 25, 2007

5:33 PM Left origin 3:43 PM Picked up

2:53 PM Package data transmitted to FedEx

Location **Details** Earth City, MO

EARTH CITY, MO EARTH CITY, MO BERKELEY, MO MEMPHIS, TN MEMPHIS, TN

PASCO, WA PASCO, WA



Subscribe to tracking updates (optional)

Your	Name:
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Your E-mail Address:

E-mail address	Language		Exception updates	Delivery updates
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	English		# E	1057

Select format: HTML Text Wireless

Add personal message: Not available for Wireless or

non-English characters.

By selecting this check box and the Submit button, I agree to these Terms and Conditions

Submit

17

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STL ST. LOUIS OUIS RECEIVED AUGUST 24, 2007 Lot #(8): <u>F 7G 26 03 D |</u> - 2230 **-**Condition Upon Receipt Form Fluor Hanfor COC/RFA No: R07-014-001 S07-005- Date: Quote No: 75841 80 Initiated By: Shipping Information Shipper Name: Folk Multiple Packages Sample Temperature (s): Shipping # (s):* 10. **Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature Numbered shipping lines correspond to Numbered Sample Temp lines variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solida Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable) Sample received with Chain of Custody? Was sample received broken? KN7 Chain of Custody matches sample ID's on Was sample received with proper container(s)? 9 pH1? (If not, make note below) Y N M/A If N/A-Was pH taken by original Are there custody seals present on cooler? STL Lab? YN Do custody seals on cooler appear to be tampered Sample received in proper A/MEM) Y with? containers? N Sample volume sufficient for Are there custody seals present on bottles? analysis? **Y**5 N Do custody seals on bottles appear to be tampe Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below) Y N N/A Were contents of cooler frisked after Was Internal COC/Workshare received? opening, but before unpacking? For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils. 507-005-174 Corrective Action: Informed by: Client Contact Name: Sample(s) processed "as is" If released, notify: Sample(s) on hold until: Date: Depoiest Management Review: THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN 312

ADDI V THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

VOLATILES

SDG# SL702

Fluor Hanford Inc

Client Sample ID: B1N317

GC/MS Volatiles

Lot-Sample #...: F7G130254-001 Work Order #...: J2VNC1AC Matrix....: WATER

Date Received..: 07/13/07

Analysis Date..: 07/17/07

Date Sampled...: 07/12/07
Prep Date....: 07/17/07

Prep Batch #...: 7200645

Dilution Factor: 1 Method.....: SW846 8260B

		REPORTIN	G	
PARAMETER	RESULT	LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	· B0	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND N	2.0	ug/L	0.80
Methylene chloride	0.18 J	1.0	ug/L	0.10
Carbon disulfide	0.28 J,N	1.0	ug/L	0.10
l,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	15	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
L,1,1-Trichloroethane	ND	1.0	ug/L	0.10
,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.10
Prichloroethene	12	1.0	ug/L	0.10
l-Methyl-2-pentanone	ND N	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	0.84 J	1.0	ug/L	0.17
Tetrahydrofuran	ND N	10	ug/L	1.2
(ylenes (total)	ND	3.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
l-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.10
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
Foluene-d8	89	(69 - 11	9)	
Dibromofluoromethane	57 *	(74 - 13	4)	
l,2-Dichloroethane-d4	88	(72 - 12	18)	
4-Bromofluorobenzene	84	(71 - 11	.5)	

NOTE (S):

Surrogate recovery is outside stated control limits.

N Spike sample recovery is outside control limits.

J Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

STL ST. LOUIS

RECEIVED AUGUST 24, 2007

Fluor Hanford Inc

B1N317

GC/MS Volatiles

Lot-Sample #: F7G130254-001 Work Order #: J2VNC1AC

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

RETENTION ESTIMATED

______ CAS # PARAMETER UNITS TIME None

Fluor Hanford Inc

Client Sample ID: B1N317

GC/MS Volatiles

Lot-Sample #: F7G130254-001 Date Sampled: 07/12/07 Prep Date: 07/18/07 Prep Batch #: 7200651	Work Order #: Date Received: Analysis Date:	07/13/07	Matrix	C: WATER
Dilution Factor: 100	Method:	SW846 8260	В	
		REPORTING		
PARAMETER	RESULT	LIMIT	UNITS	MDL
Carbon tetrachloride	1700 D	100	ug/L	10
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
Toluene-d8	89	(69 - 119)		
Dibromofluoromethane	93	(74 - 134)		

(72 - 128) (71 - 115)

92

86

NOTE(S):

1,2-Dichloroethane-d4

4-Bromofluorobenzene

D Result was obtained from the analysis of a dilution.

Fluor Hanford Inc

Client Sample ID: B1NHC1

GC/MS Volatiles

Lot-Sample #...: F7G130260-002 Work Order #...: J2VP11AG Matrix....: WATER

 Date Sampled...:
 07/12/07
 Date Received...:
 07/13/07

 Prep Date.....:
 07/18/07
 Analysis Date...:
 07/18/07

Prep Batch #...: 7200651

Dilution Factor: 1 Method.....: SW846 8260B

DADAMENTO	DEGIT B	REPORTIN		MOT
PARAMETER 1.1-Dichloroethene	RESULT ND	LIMIT 1.0	_ <u>UNITS</u> ug/L	MDL 0.045
1.4-Dioxane	ND	80	ug/L ug/L	12
Ethyl acetate	ND	2.0	ug/L ug/L	0.23
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND N	1.0	ug/L	0.10
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	2.0	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.10
Trichloroethene	0.55 J	1.0	ug/L	0.10
4-Methyl-2-pentanone	ND N	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.10
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	•	
Toluene-d8	88	(69 - 11	.9)	
Dibromofluoromethane	91	(74 - 13		
1,2-Dichloroethane-d4	91	(72 - 12		
4-Bromofluorobenzene	84	(71 - 11		

N Spike sample recovery is outside control limits.

J Estimated result. Result is less than RL.

Fluor Hanford Inc

BINHC1

GC/MS Volatiles

Lot-Sample #: F7G130260-002 Work Order #: J2VP11AG

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

ESTIMATED RETENTION

TIME____ CAS # UNITS PARAMETER ug/L None

Fluor Hanford Inc

Client Sample ID: BlNHC1

GC/MS Volatiles

Lot-Sample #...: F7G130260-002 Work Order #...: J2VP12AG Matrix..... WATER

 Date Sampled...:
 07/12/07
 Date Received...:
 07/13/07

 Prep Date.....:
 07/20/07
 Analysis Date...:
 07/20/07

Prep Batch #...: 7205211

Dilution Factor: 5 Method.....: SW846 8260B

REPORTING

Parameter	RESULT	LIMIT	UNITS	MDL
Carbon tetrachloride	87 D,N	5.0	ug/L	0.50
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS	_	
Toluene-d8	100	(69 - 119)	
Dibromofluoromethane	103	(74 - 134)	
1,2-Dichloroethane-d4	100	(72 - 128)	
4-Bromofluorobenzene	87	(71 - 115)	

NOTE(S):

D Result was obtained from the analysis of a dilution.

N Spike sample recovery is outside control limits.

Fluor Hanford Inc

Client Sample ID: BINXL3

GC/MS Volatiles

Lot-Sample #...: F7G130265-001 Work Order #...: J2VQ11AC Matrix..... WATER

 Date Sampled...:
 07/12/07
 Date Received...:
 07/13/07

 Prep Date.....:
 07/17/07
 Analysis Date...:
 07/17/07

Prep Batch #...: 7200645

Dilution Factor: 1 Method.....: SW846 8260B

		REPORTING	}	
PARAMETER	RESULT	LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND N	2.0	ug/L	0.80
Methylene chloride	2.0	1.0	ug/L	0.10
Carbon disulfide	0.23 J,N	1.0	ug/L	0.10
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
Carbon tetrachloride	0.41 J	1.0	ug/L	0.10
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.10
Trichloroethene	ND	1.0	ug/L	0.10
4-Methyl-2-pentanone	ND N	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND N	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.10
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
Toluene-d8	86	(69 - 119)	
Dibromofluoromethane	90	(74 - 134)	
1,2-Dichloroethane-d4	89	(72 - 128)	
4-Bromofluorobenzene	89	(71 - 115)	

NOTE(S):

N Spike sample recovery is outside control limits.

J Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

Fluor Hanford Inc

B1MXL3

GC/MS Volatiles

Lot-Sample #: F7G130265-001 Work Order #: J2VQ11AC Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

ESTIMATED RETENTION

PARAMETER CAS # RESULT TIME UNITS None ug/L

Fluor Hanford Inc

Client Sample ID: B1KX26

GC/MS Volatiles

Lot-Sample #...: F7G170247-001 Work Order #...: J22LE1AC

Matrix..... WATER

Date Sampled...: 07/16/07 **Prep Date....:** 07/18/07

Date Received..: 07/17/07 Analysis Date..: 07/18/07

Prep Batch #...: 7200651

Dilution Factor: 1

Method.....: SW846 8260B

		REPORTIN	rG	
PARAMETER	RESULT	LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	0.18 J,N	1.0	ug/L	0.10
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	7.8	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	\mathtt{ug}/\mathtt{L}	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.10
Trichloroethene	3.0	1.0	ug/L	0.10
4-Methyl-2-pentanone	ND N	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.10
	PERCENT	RECOVERY	?	
SURROGATE	RECOVERY	LIMITS		
Toluene-d8	88	(69 - 11	<u> (9)</u>	
Dibromofluoromethane	55 *	(74 - 13	34)	
1,2-Dichloroethane-d4	91	(72 - 12	28)	
4-Bromofluorobenzene	86	(71 - 11	L 5)	

NOTE(S):

^{*} Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

N Spike sample recovery is outside control limits.

Fluor Hanford Inc

B1NX26

GC/MS Volatiles

Lot-Sample #: F7G170247-001 Work Order #: J22LE1AC

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

ESTIMATED RETENTION

CAS # PARAMETER RESULT TIME UNITS None ug/L

120 of 312 SDG# SL702

Lot-Sample #...: F7G170247-001 Work Order #...: J22LE2AC

Fluor Hanford Inc

Client Sample ID: B1NX26

GC/MS Volatiles

Matrix....: WATER

Date Sampled...: 07/16/07 Date Received..: 07/17/07 Prep Date....: 07/20/07 Analysis Date..: 07/20/07 Prep Batch #...: 7205211 Dilution Factor: 100 Method..... SW846 8260B REPORTING PARAMETER MDL RESULT <u>LIMIT</u> UNITS Carbon tetrachloride 1200 D,N ug/L 10 100

	PERCENT	RECOVERY
SURROGATE	RECOVERY	<u>LIMITS</u>
Toluene-d8	108	(69 - 119)
Dibromofluoromethane	98	(74 - 134)
1,2-Dichloroethane-d4	98	(72 - 128)
4-Bromofluorobenzene	91	(71 - 115)

NOTE(S):

D Result was obtained from the analysis of a dilution.

N Spike sample recovery is outside control limits.

Fluor Hanford Inc

Client Sample ID: BINKL5

GC/MS Volatiles

Lot-Sample #...: F7G170249-001 Work Order #...: J22LF2AC Matrix..... WATER

 Date Sampled...:
 07/16/07
 Date Received..:
 07/17/07

 Prep Date.....:
 07/20/07
 Analysis Date..:
 07/20/07

Prep Batch #...: 7205211

Dilution Factor: 1 Method.....: SW846 8260B

		REPORTIN		
PARAMETER	RESULT	LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	0.85 J	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.10
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND N	1.0	ug/L	0.10
1,1,1-Trichloroethane	ND N	1.0	ug/L	0.10
Carbon tetrachloride	ND N	1.0	ug/L	0.10
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.10
Trichloroethene	0.31 J	1.0	ug/L	0.10
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
l,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
letrahydrofuran	ND	10	ug/L	1.2
Kylenes (total)	ND	3.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
l-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.10
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
roluene-d8	103	(69 - 11	9)	
Dibromofluoromethane	101	(74 - 13		
l,2-Dichloroethane-d4	102	(72 - 12		
4-Bromofluorobenzene	90	(71 - 11)		

NOTE(S):

J Estimated result. Result is less than RL.

N Spike sample recovery is outside control limits.

Fluor Hanford Inc

B1NXL5

GC/MS Volatiles

Lot-Sample #: F7G170249-001 Work Order #: J22LF2AC Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

ESTIMATED RETENTION

CAS # PARAMETER RESULT TIME UNITS None ug/L

SDG# SL702 123 of 312

Fluor Hanford Inc

Client Sample ID: B1NY25

GC/MS Volatiles

Lot-Sample #...: F7G170250-002 Work Order #...: J22LM1AD Matrix.....: WATER

 Date Sampled...:
 07/16/07
 Date Received...:
 07/17/07

 Prep Date.....:
 07/18/07
 Analysis Date...:
 07/18/07

Prep Batch #...: 7200651

Dilution Factor: 1 Method.....: SW846 8260B

		REPORTI	NG	
PARAMETER	RESULT	LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND N	1.0	ug/L	0.10
l,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	0.64 J	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.10
Frichloroethene	0.11 J	1.0	ug/L	0.10
4-Methyl-2-pentanone	ND N	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
[etrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Kylenes (total)	ND	3.0	ug/L	0.30
l,4-Dichlorobenzene	ND	1.0	ug/L	0.10
l-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.10
	PERCENT	RECOVER	7	
SURROGATE	RECOVERY	LIMITS		
Foluene-d8	89	(69 - 1)	L9)	
Dibromofluoromethane	91	(74 - 13	34)	
1,2-Dichloroethane-d4	90	(72 - 12	28)	
4-Bromofluorobenzene	84	(71 - 11	L5)	

NOTE(S):

N Spike sample recovery is outside control limits.

J Estimated result. Result is less than RL.

STL ST. LOUIS

RECEIVED AUGUST 24, 2007

Fluor Hanford Inc

B1NY25

GC/MS Volatiles

Lot-Sample #: F7G170250-002 Work Order #: J22LM1AD

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

RETENTION ESTIMATED

CAS # PARAMETER RESULT TIME UNITS ug/L None

SDG# SL702 125 of 312

Fluor Hanford Inc

Client Sample ID: B1NY25

GC/MS Volatiles

Lot-Sample #...: F7G170250-002 Work Order #...: J22LM2AD Matrix....: WATER

 Date Sampled...:
 07/16/07
 Date Received...:
 07/17/07

 Prep Date.....:
 07/20/07
 Analysis Date...:
 07/20/07

Prep Batch #...: 7205211

Dilution Factor: 10 Method....: SW846 8260B

		REPORTIN	G	
PARAMETER	RESULT	LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	10	ug/L	0.45
1,4-Dioxane	ND	800	ug/L	120
Ethylbenzene	ND	10	ug/L	0.64
Vinyl chloride	ND	20	ug/L	0.44
Acetone	ND	20	ug/L	8.0
Methylene chloride	5.7 J,D	10	ug/L	1.0
Carbon disulfide	ND	10	ug/L	1.0
1,1-Dichloroethane	ND	10	ug/L	0.46
2-Butanone	ND	50	ug/L	18
Chloroform	ND	10	ug/L	1.0
cis-1,2-Dichloroethene	ND	10	ug/L	0.48
Propionitrile	ND	50	ug/L	17
trans-1,2-Dichloroethene	ND N	10	ug/L	1.0
1,1,1-Trichloroethane	ND N	10	ug/L	1.0
Carbon tetrachloride	75 D,N	10	ug/L	1.0
1,2-Dichloroethane	ND	10	ug/L	1.1
Benzene	ND	10	ug/L	1.0
Trichloroethene	1.9 J,D	10	ug/L	1.0
4-Methyl-2-pentanone	ND	50	ug/L	2.1
1,1,2-Trichloroethane	ND	10	ug/L	0.92
Tetrachloroethene	ND	10	ug/L	1.7
Tetrahydrofuran	ND	100	ug/L	12
Xylenes (total)	ND	30	ug/L	3.0
1,4-Dichlorobenzene	ND	10	ug/L	1.0
1-Butanol	ND	400	ug/L	140
Toluene	ND	10	ug/L	1.0
	PERCENT	RECOVERY	•	
SURROGATE	RECOVERY	LIMITS		
Toluene-d8	106	(69 - 11	.9)	
Dibromofluoromethane	99	(74 - 13	4)	
1,2-Dichloroethane-d4	96	(72 - 12	:8)	
4-Bromofluorobenzene	91	(71 - 11	.5)	

NOTE (S):

J Estimated result. Result is less than RL.

D Result was obtained from the analysis of a dilution.

N Spike sample recovery is outside control limits.

N Spike sample recovery is outside control limits.

Fluor Hanford Inc

Client Sample ID: B1M6N0

GC/MS Volatiles

Matrix..... WATER Lot-Sample #...: F7G180205-001 Work Order #...: J24HG1AC

Date Sampled...: 07/17/07 Date Received..: 07/18/07 **Prep Date....:** 07/23/07 Analysis Date..: 07/23/07

Prep Batch #...: 7205220

Method..... SW846 8260B Dilution Factor: 1

		REPORTIN	· -	
PARAMETER	RESULT	LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.10
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	8.3	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.10
Trichloroethene	1.6	1.0	ug/L	0.10
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	0.61 J	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.10
	PERCENT	RECOVERY	?	
SURROGATE	RECOVERY	LIMITS		
Toluene-d8	95	(69 - 11	.9)	
Dibromofluoromethane	109	(74 - 13	(4)	
1,2-Dichloroethane-d4	111	(72 - 12	28)	
4-Bromofluorobenzene	98	(71 - 13	.5)	

J Estimated result. Result is less than RL.

Fluor Hanford Inc

B1M6N0

GC/MS Volatiles

Lot-Sample #: F7G180205-001 Work Order #: J24HG1AC

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

ESTIMATED RETENTION

PARAMETER CAS # RESULT TIME UNITS None ug/L

SDG# SL702 128 of 312

Fluor Hanford Inc

Client Sample ID: B1M6N0

GC/MS Volatiles

Lot-Samole #:	F7G180205-001	Work Order	# J24HG2AC	Matrix	WATER
TOC-DAMEDIC #	L (GTOCCOS-OOT	MOTY OTMET	B UZ-11/02/70		**********

 Date Sampled...:
 07/17/07
 Date Received...:
 07/18/07

 Prep Date....:
 07/31/07
 Analysis Date...:
 07/31/07

Prep Batch #...: 7213154

Dilution Factor: 50 Method.....: SW846 8260B

REPORTING

PARAMETER	RESULT	LIMIT	UNITS	MDL
Carbon tetrachloride	540 D	50	ug/L	5.0
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS	<u> </u>	
Toluene-d8	90	(69 - 11	9)	
Dibromofluoromethane	101	(74 - 13	4)	
1,2-Dichloroethane-d4	114	(72 - 12	8)	
4-Bromofluorobenzene	94	(71 - 11	5)	

NOTE(S):

D Result was obtained from the analysis of a dilution.

Fluor Hanford Inc

Client Sample ID: B1NXL7

GC/MS Volatiles

Matrix....: WATER Lot-Sample #...: F7G180207-001 Work Order #...: J24HP1AC

Date Sampled...: 07/17/07 Date Received..: 07/18/07 Prep Date....: 07/23/07 **Analysis Date..:** 07/23/07

Prep Batch #...: 7205220

Dilution Factor: 1 Method.....: SW846 8260B

		REPORTING		
PARAMETER	RESULT	<u>LIMIT</u>	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	0.80 J	1.0	ug/L	0.10
Carbon disulfide	0.28 J	1.0	ug/L	0.10
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
Carbon tetrachloride	0.30 J	1.0	ug/L	0.10
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.10
Trichloroethene	ND	1.0	ug/L	0.10
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.10
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS	· -	
Toluene-d8	97	(69 - 119))	
Dibromofluoromethane	106	(74 - 134))	
1,2-Dichloroethane-d4	109	(72 - 128))	
4-Bromofluorobenzene	94	(71 - 115))	

NOTE	(S) :	 	

J Estimated result. Result is less than RL.

Fluor Hanford Inc

B1NXL7

GC/MS Volatiles

Lot-Sample #: F7G180207-001 Work Order #: J24HP1AC

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

ESTIMATED RETENTION

PARAMETER CAS # RESULT TIME UNITS None ug/L

Fluor Hanford Inc

Client Sample ID: B1NL80

GC/MS Volatiles

Lot-Sample i	ŧ :	F7G190478-003	Work Order	* :	J271P1AD	Matrix:	WATER
TAC-Sometic 1		T. 10T20410.003	MATIN ATACL	H *	02/11100		*****

 Date Sampled...:
 07/18/07
 Date Received...:
 07/19/07

 Prep Date.....:
 07/23/07
 Analysis Date...:
 07/23/07

Prep Batch #...: 7205220

Dilution Factor: 1 Method.....: SW846 8260B

		REPORTIN		
PARAMETER	RESULT	LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.10
1,1-Dichloroethane	ИD	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform .	0.20 J	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
Carbon tetrachloride	0.22 J	1.0	ug/L	0.10
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.10
Trichloroethene	1.5	1.0	ug/L	0.10
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	0.37 J	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.10
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
Toluene-d8	97	(69 - 11	9)	
Dibromofluoromethane	107	(74 - 13	4)	
1,2-Dichloroethane-d4	107	(72 - 12	8)	
4-Bromofluorobenzene	95	(71 - 11	5)	

NOTE (S):

J Estimated result. Result is less than RL.

Fluor Hanford Inc

BINL80

GC/MS Volatiles

Lot-Sample #: F7G190478-003 Work Order #: J271P1AD

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

ESTIMATED RETENTION

CAS # PARAMETER

None

SDG# SL702

Pluor Hanford Inc

Client Sample ID: BlNL76

GC/MS Volatiles

Matrix....: WATER Lot-Sample #...: F7G190478-005 Work Order #...: J271V1AD

Date Sampled...: 07/18/07 Date Received..: 07/19/07 Analysis Date..: 07/23/07 **Prep Date....:** 07/23/07

Prep Batch #...: 7205220

Method....: SW846 8260B Dilution Factor: 1

		REPORTIN	īG	
PARAMETER	RESULT	LIMIT	UNITS	MDL
1,1-Dichloroethene	ND	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.10
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
Carbon tetrachloride	ND	1.0	ug/L	0.10
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.10
Trichloroethene	ND	1.0	ug/L	0.10
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.10
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
Toluene-d8	97	(69 - 1		
Dibromofluoromethane	105	(74 - 13	34)	
1,2-Dichloroethane-d4	106	(72 - 13	28)	
	4.44			

4-Bromofluorobenzene 97 (71 - 115)

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Fluor Hanford Inc

B1NL76

GC/MS Volatiles

Lot-Sample #: F7G190478-005

Work Order #: J271V1AD

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

ESTIMATED RETENTION

PARAMETER CAS # RESULT TIME UNITS
None ug/L

SDG# SL702

135 of 312

Pluor Hanford Inc

Client Sample ID: BINXMO

GC/MS Volatiles

Lot-Sample #...: F7G190485-001 Work Order #...: J273V1AC Matrix....: WATER

Date Sampled...: 07/18/07 Date Received..: 07/19/07 **Prep Date....:** 07/23/07 **Analysis Date..:** 07/23/07

Prep Batch #...: 7205220

Dilution Factor: 1 Method..... SW846 8260B

		REPORTIN				
PARAMETER	RESULT	LIMIT UNITS		MDL		
1,1-Dichloroethene	ND	1.0	ug/L	0.045		
1,4-Dioxane	ND	80	ug/L	12		
Ethylbenzene	ND	1.0	ug/L	0.064		
Vinyl chloride	ND	2.0	ug/L	0.044		
Acetone	ND	2.0	ug/L	0.80		
Methylene chloride	4.6	1.0	ug/L	0.10		
Carbon disulfide	ND	1.0	ug/L	0.10		
1,1-Dichloroethane	ND	1.0	ug/L	0.046		
2-Butanone	ND	5.0	ug/L	1.8		
Chloroform	ND	1.0	ug/L	0.10		
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048		
Propionitrile	ND	5.0	ug/L	1.7		
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10		
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10		
Carbon tetrachloride	ND	1.0	ug/L	0.10		
1,2-Dichloroethane	ND	1.0	ug/L	0.11		
Benzene	ND	1.0	ug/L	0.10		
Trichloroethene	ND	1.0	ug/L	0.10		
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21		
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092		
Tetrachloroethene	ND	1.0	ug/L	0.17		
Tetrahydrofuran	ND	10	ug/L	1.2		
Xylenes (total)	ND	3.0	ug/L	0.30		
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10		
1-Butanol	ND	40	ug/L	14		
Toluene	ND	1.0	ug/L	0.10		
	PERCENT	RECOVERY				
SURROGATE	RECOVERY	LIMITS				
Toluene-d8	98	(69 - 11	9)			
Dibromofluoromethane	104	(74 - 13				
1,2-Dichloroethane-d4	111	(72 - 12				
4-Bromofluorobenzene	96	(71 - 115)				

Fluor Hanford Inc

B1NXM0

GC/MS Volatiles

Lot-Sample #: F7G190485-001 Work Order #: J273V1AC

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

RETENTION ESTIMATED

CAS # RESULT TIME UNITS PARAMETER ug/L None

Fluor Hanford Inc

Client Sample ID: BINXM1

GC/MS Volatiles

Matrix..... WATER Lot-Sample #...: F7G210149-001 Work Order #...: J3CTH1AC

Date Sampled...: 07/20/07 Date Received..: 07/21/07 Prep Date....: 08/01/07 Analysis Date..: 08/01/07

Prep Batch #...: 7215157

Dilution Factor: 1 Method....: SW846 8260B

		REPORTING			
PARAMETER	RESULT	LIMIT	UNITS	MDL	
1,1-Dichloroethene	ND	1.0	ug/L	0.045	
1,4-Dioxane	ND	80	ug/L	12	
Ethylbenzene	ND	1.0	ug/L	0.064	
Vinyl chloride	ND	2.0	ug/L	0.044	
Acetone	N D	2.0	\mathtt{ug}/\mathtt{L}	0.80	
Methylene chloride	2.1	1.0	ug/L	0.10	
Carbon disulfide	ND	1.0	ug/L	0.10	
1,1-Dichloroethane	ND	1.0	ug/L	0.046	
2-Butanone	ND	5.0	ug/L	1.8	
Chloroform	ND	1.0	ug/L	0.10	
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048	
Propionitrile	ND	5.0	ug/L	1.7	
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10	
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10	
Carbon tetrachloride	ND	1.0	ug/L	0.10	
1,2-Dichloroethane	ND	1.0	ug/L	0.11	
Benzene	ND	1.0	ug/L	0.10	
Trichloroethene	ND	1.0	ug/L	0.10	
4-Methyl-2-pentanone	ND	5.0	ug/L	0.21	
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092	
Tetrachloroethene	ND	1.0	ug/L	0.17	
Tetrahydrofuran	ND	10	ug/L	1.2	
Xylenes (total)	ND	3.0	ug/L	0.30	
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10	
1-Butanol	ND	40	ug/L	14	
Toluene	ND	1.0	ug/L	0.10	
	PERCENT	RECOVERY	?		
SURROGATE	RECOVERY	LIMITS			
Toluene-d8	89	(69 - 11	<u>.9)</u>		
Dibromofluoromethane	97	(74 - 13			
1,2-Dichloroethane-d4	106	(72 - 12	•		
4-Bromofluorobenzene	Q.A.	(72 - 120)			

	PERCENT	RECOVERY
SURROGATE	RECOVERY	LIMITS
Toluene-d8	89	(69 - 119)
Dibromofluoromethane	97	(74 - 134)
1,2-Dichloroethane-d4	106	(72 - 128)
4-Bromofluorobenzene	94	(71 - 115)

Fluor Hanford Inc

BINXM1

GC/MS Volatiles

Lot-Sample #: F7G210149-001 Work Order #: J3CTH1AC

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

ESTIMATED

PARAMETER

CAS #

TIME

UNITS

None

ug/L

Fluor Hanford Inc

Client Sample ID: B1NL53

GC/MS Volatiles

Matrix....: WATER Lot-Sample #...: F7G230215-002 Work Order #...: J3E0V1AC

Date Received..: 07/21/07 Date Sampled...: 07/20/07 Analysis Date..: 08/01/07 Prep Date....: 08/01/07

Prep Batch #...: 7215157

Method....: SW846 8260B Dilution Factor: 1

		REPORTIN		
PARAMETER	RESULT	LIMIT	UNITS	MDL
1,1-Dichloroethene	ИD	1.0	ug/L	0.045
1,4-Dioxane	ND	80	ug/L	12
Ethylbenzene	ND	1.0	ug/L	0.064
Vinyl chloride	ND	2.0	ug/L	0.044
Acetone	ND	2.0	ug/L	0.80
Methylene chloride	ND	1.0	ug/L	0.10
Carbon disulfide	ND	1.0	ug/L	0.10
1,1-Dichloroethane	ND	1.0	ug/L	0.046
2-Butanone	ND	5.0	ug/L	1.8
Chloroform	. ND	1.0	ug/L	0.10
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.048
Propionitrile	ND	5.0	ug/L	1.7
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.10
1,1,1-Trichloroethane	ND	1.0	ug/L	0.10
Carbon tetrachloride	ND	1.0	ug/L	0.10
1,2-Dichloroethane	ND	1.0	ug/L	0.11
Benzene	ND	1.0	ug/L	0.10
Trichloroethene	0.39 J	1.0	ug/L	0.10
4-Methyl-2-pentanone	ИD	5.0	ug/L	0.21
1,1,2-Trichloroethane	ND	1.0	ug/L	0.092
Tetrachloroethene	ND	1.0	ug/L	0.17
Tetrahydrofuran	ND	10	ug/L	1.2
Xylenes (total)	ND	3.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.10
1-Butanol	ND	40	ug/L	14
Toluene	ND	1.0	ug/L	0.10
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS _		
Toluene-d8	90	(69 - 11		
Dibromofluoromethane	99	(74 - 13	····•	
1,2-Dichloroethane-d4	110	(72 - 12		
4-Bromofluorobenzene	93	(71 - 11	5)	
NOTE(S):				

J Estimated result. Result is less than RL.

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Fluor Hanford Inc

B1NL53

GC/MS Volatiles

Lot-Sample #: F7G230215-002 Work Order #: J3E0V1AC

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

ESTIMATED RETENTION

PARAMETER CAS # RESULT TIME UNITS None ug/L

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL702

Work Order #...: J27701AA

Matrix..... WATER

MB Lot-Sample #: F7G190000-645

Prep Date....: 07/17/07 Prep Batch #...: 7200645

Analysis Date..: 07/17/07

Dilution Factor: 1

PARAMETER	RESULT	LIMIT	UNITS	METHOD	
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B	
1,4-Dioxane	ND	80	ug/L	SW846 8260B	
Ethylbenzene	ND	1.0	ug/L	SW846 8260B	
Vinyl chloride	ND	2.0	ug/L	SW846 8260B	
Acetone	ND	2.0	ug/L	SW846 8260B	
Methylene chloride	ND	1.0	ug/L	SW846 8260B	
Carbon disulfide	ND	1.0	ug/L	SW846 8260B	
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B	
2-Butanone	ND	5.0	ug/L	SW846 8260B	
Chloroform	ND	1.0	ug/L	SW846 8260B	
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B	
Propionitrile	ND	5.0	ug/L	SW846 8260B	
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B	
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B	
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B	
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B	
Benzene	ND	1.0	ug/L	SW846 8260B	
Trichloroethene	ND	1.0	ug/L	SW846 8260B	
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B	
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B	
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B	
Tetrahydrofuran	ND	10	ug/L	SW846 8260B	
Xylenes (total)	ND	3.0	ug/L	SW846 8260B	
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B	
1-Butanol	ND	40	ug/L	SW846 8260B	
Toluene	ND	1.0	ug/L	SW846 8260B	
	PERCENT	RECOVER	RECOVERY		
SURROGATE	RECOVERY	LIMITS			
Toluene-d8	89	(69 - 119)			
Dibromofluoromethane	88	(74 - 134)			
1,2-Dichloroethane-d4	88	(72 - 128)			
4-Bromofluorobenzene	85	(71 - 1	15)		

MOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

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Method Blank Report

GC/MS Volatiles

Lot-Sample #: F7G190000-645 B Work Order #: J27701AA

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

ESTIMATED RETENTION

PARAMETER CAS # RESULT TIME UNITS
None ug/L

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL702

Work Order #...: J278A1AA

Matrix....: WATER

MB Lot-Sample #: F7G190000-651

Prep Date....: 07/18/07

Analysis Date..: 07/18/07

Prep Batch #...: 7200651

Dilution Factor: 1

PARAMETER	RESULT	REPORTING				
		LIMIT	UNITS	METHOD		
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B		
1,4-Dioxane	ND	80	ug/L	SW846 8260B		
Ethylbenzene	ND	1.0	ug/L	SW846 8260B		
Ethyl acetate	ND	2.0	ug/L	SW846 8260B		
Vinyl chloride	ND	2.0	\mathtt{ug}/\mathtt{L}	SW846 8260B		
Acetone	ND	2.0	ug/L	SW846 8260B		
Methylene chloride	0.35 J	1.0	ug/L	SW846 8260B		
Carbon disulfide	ND	1.0	ug/L	SW846 8260B		
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B		
2-Butanone	ND	5.0	ug/L	SW846 8260B		
Chloroform	ND	1.0	ug/L	SW846 8260B		
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B		
Propionitrile	ND	5.0	ug/L	SW846 8260B		
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B		
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B		
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B		
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B		
Benzene	ND	1.0	ug/L	SW846 8260B		
Trichloroethene	ND	1.0	ug/L	SW846 8260B		
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B		
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B		
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B		
Tetrahydrofuran	ND	10	ug/L	SW846 8260B		
Xylenes (total)	ND	3.0	ug/L	SW846 8260B		
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B		
l-Butanol	ND	40	ug/L	SW846 8260B		
Toluene	ND	1.0	ug/L	SW846 8260B		
	PERCENT	RECOVERY				
SURROGATE	RECOVERY	LIMITS				
Toluene-d8	87	(69 - 119)				
Dibromofluoromethane	93	(74 - 134)				
1,2-Dichloroethane-d4	92	(72 - 128)				
4-Bromofluorobenzene	85	(71 - 115)				

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Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

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Method Blank Report

GC/MS Volatiles

Lot-Sample #: F7G190000-651 B Work Order #: J278A1AA

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

ESTIMATED RETENTION

PARAMETER CAS # RESULT TIME UNITS
None ug/L

SDG# SL702 145 of 312

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL702

Work Order #...: J3FTQ1AA

Matrix....: WATER

MB Lot-Sample #: F7G240000-211

Prep Date....: 07/20/07 Prep Batch #...: 7205211

Analysis Date..: 07/20/07

Dilution Factor: 1

REPORTING

		REPORTING				
PARAMETER	RESULT	LIMIT	UNITS	METHOD		
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B		
1,4-Dioxane	ND	80	ug/L	SW846 8260B		
Ethylbenzene	ND	1.0	ug/L	SWB46 8260B		
Vinyl chloride	ND	2.0	ug/L	SW846 8260B		
Acetone	ND	2.0	ug/L	SW846 8260B		
Methylene chloride	ND	1.0	ug/L	SW846 8260B		
Carbon disulfide	ND	1.0	ug/L	SW846 8260B		
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B		
2-Butanone	ND	5.0	ug/L	SW846 8260B		
Chloroform	ND	1.0	ug/L	SW846 8260B		
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 B260B		
Propionitrile	ND	5.0	ug/L	SW846 8260B		
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B		
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B		
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B		
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B		
Benzene	ND	1.0	ug/L	SW846 8260B		
Trichloroethene	ND	1.0	ug/L	SW846 8260B		
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B		
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B		
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B		
Tetrahydrofuran	ND	10	ug/L	SW846 8260B		
Xylenes (total)	ND	3.0	ug/L	SW846 8260B		
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B		
1-Butanol	ND	40	ug/L	SW846 8260B		
Toluene	ND	1.0	ug/L	SW846 8260B		
	PERCENT	RECOVER	Y			
SURROGATE	RECOVERY	LIMITS				
Toluene-d8	100	(69 - 1	19)			
Dibromofluoromethane	102	(74 - 1	34)			
1,2-Dichloroethane-d4	105	(72 - 1	28)			
4-Bromofluorobenzene	97	(71 - 1	15)			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Fluor Hanford Inc

Method Blank Report

GC/MS Volatiles

Lot-Sample #: F7G240000-211 B Work Order #: J3FTQ1AA

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

ESTIMATED RETENTION

PARAMETER CAS # RESULT TIME UNITS
None ug/L

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL702

Work Order #...: J3FMR1AA

Matrix..... WATER

MB Lot-Sample #: F7G240000-220

Prep Date....: 07/23/07

Analysis Date..: 07/23/07

Prep Batch #...: 7205220

Dilution Factor: 1

		KEPOKILI	NG	
PARAMETER	RESULT	LIMIT	UNITS	METHOD
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	80	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Acetone	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Propionitrile	ND	5.0	ug/L	SW846 B260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 B260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1-Butanol	ND	40	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
	PERCENT	RECOVER	į.	
SURROGATE	RECOVERY	LIMITS		
Toluene-d8	98	(69 - 13	19)	
Dibromofluoromethane	103	(74 - 13)	34)	
1,2-Dichloroethane-d4	110	(72 - 12	28)	
4-Bromofluorobenzene	95	(71 - 1)	L5)	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

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Method Blank Report

GC/MS Volatiles

Lot-Sample #: F7G240000-220 B Work Order #: J3FMR1AA

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

ESTIMATED RETENTION

PARAMETER CAS # RESULT TIME UNITS
None ug/L

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL702

Work Order #...: J31N71AA

Matrix..... WATER

MB Lot-Sample #: F7H010000-154

Prep Date....: 07/31/07

Analysis Date..: 07/31/07

Prep Batch #...: 7213154

112

93

Dilution Factor: 1

1,2-Dichloroethane-d4

4-Bromofluorobenzene

PARAMETER	RESULT	REPORTING LIMIT UNITS	METHOD
Carbon tetrachloride	ND	1.0 ug/L	SW846 8260B
	PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS	
Toluene-d8	91	(69 - 119)	
Dibromofluoromethane	98	(74 - 134)	•

(72 - 128) (71 - 115)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: SL702

Work Order #...: J37WA1AA

Matrix....: WATER

MB Lot-Sample #: F7H030000-157

Prep Date....: 08/01/07 Prep Batch #...: 7215157

Analysis Date..: 08/01/07

Dilution Factor: 1

REPORTING	
TTMTM	-

PARAMETER	RESULT	LIMIT	UNITS	METHOD
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	80	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
Acetone	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Propionitrile	ND	5.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Tetrahydrofuran	ND	10	ug/L	SW846 8260B
Xylenes (total)	ND	3.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 B260B
1-Butanol	ND	40	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
	PERCENT	RECOVER	Y.	
SURROGATE	RECOVERY	LIMITS		
Toluene-d8	90	(69 - 13	19)	
Dibromofluoromethane	101	(74 - 13	34)	
1,2-Dichloroethane-d4	113	(72 - 12	28)	
4-Promofinarchemens	0.3	/=	1	

	PERCENT	RECUVERY
SURROGATE	RECOVERY	LIMITS
Toluene-d8	90	(69 - 119)
Dibromofluoromethane	101	(74 - 134)
1,2-Dichloroethane-d4	113	(72 - 128)
4-Bromofluorobenzene	93	(71 - 115)

Calculations are performed before rounding to avoid round-off errors in calculated results.

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Method Blank Report

GC/MS Volatiles

Lot-Sample #: F7H030000-157 B Work Order #: J37WA1AA Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

RETENTION ESTIMATED

RESULT PARAMETER CAS # TIME ug/L None

152 of 312 SDG# SL702

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

UNITS

PERCENT

99

95

104

89

96

142

108

92

100

10

9.9

7.1

27

7.4

RECOVERY

RPD

METHOD

SW846 8260B

SW846 B260B

SW846 B260B

SW846 8260B

SN846 8260B

SW846 8260B

SW846 8260B

SW846 8260B

SW846 8260B

Matrix..... WATER Client Lot #...: SL702 Work Order #...: J27701AC-LCS

MEASURED

LCS Lot-Sample#: F7G190000-645 J27701AD-LCSD

SPIKE

10.0

10.0

10.0

10.0

10.0

10.0

10.0

10.0

10.0

9.88

9.45

10.4

8.91

9.57

9.25

9.96

14.2 a

10.8 p

AMOUNT

Prep Date....: 07/17/07 **Analysis Date..:** 07/17/07

Prep Batch #...: 7200645 Dilution Factor: 1

PARAMETER

AMOUNT SW846 8260B 1,1-Dichloroethene 10.0 8.55 ug/L 86 SW846 8260B 10.0 9.71 ug/L 97 13 **Ethylbenzene** 10.0 9.29 ug/L 93 SW846 8260B SW846 8260B 10.0 10.3 ug/L 103 10 1,4-Dioxane 200 224 ug/L 112 SW846 8260B 200 207 ug/L 103 8.2 SW846 8260B 10.9 109 SW846 8260B Vinyl chloride 10.0 ug/L SW846 8260B 10.0 10.4 ug/L 104 4.6 SW846 8260B 10.0 13.4 a 134 Acetone ug/L 107 SW846 8260B 23 10.0 10.7 p ug/L SW846 8260B Methylene chloride 10.0 9.30 ug/L 93 SW846 B260B 10.0 10.5 ug/L 105 12 SW846 8260B Carbon disulfide 10.0 15.0 a ug/L 150 9.89 p ug/L 99 41 SW846 B260B 10.0 9.15 SW846 8260B 1,1-Dichloroethane 10.0 ug/L 92 SW846 8260B 12 10.0 10.3 ug/L 103 13.8 138 SW846 8260B 2-Butanone 10.0 ug/L 11.4 19 SW846 8260B 10.0 ug/L 114 SW846 8260B Chloroform 10.0 7.99 a ug/L 80 101 23 SW846 8260B 10.0 10.1 p ug/L SW846 8260B cis-1,2-Dichloroethene 8.70 87 10.0 ug/L SW846 8260B 10.0 9.99 ug/L 100 14 Propionitrile 50.0 57.5 SW846 8260B ug/L 115 SW846 8260B 50.0 51.4 ug/L 103 11 SW846 8260B trans-1, 2-Dichloroethene 10.0 8.55 ug/L 85 10.0 9.96 ug/L 100 15 SW846 8260B SW846 8260B 1,1,1-Trichloroethane 10.0 8.23 ug/L 82 SW846 8260B 10.0 9.48 95 14 ug/L 5W846 8260B Carbon tetrachloride 10.0 8.24 ug/L 82 SW846 8260B 10.0 10 9.12 91 ug/L 1,2-Dichloroethane 8.93 89 SW846 B260B 10.0 uq/L

(Continued on next page)

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L .

Benzene

Trichloroethene

4-Methyl-2-pentanone

1,1,2-Trichloroethane

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Work Order #...: J27701AC-LCS Matrix....: WATER Client Lot #...: SL702 J27701AD-LCSD

LCS Lot-Sample#: F7G190000-645

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Tetrachloroethene	10.0	8.80	ug/L	88		SW846 8260B
	10.0	9.96	ug/L	100	12	SW846 8260B
Tetrahydrofuran	50.0	54.5	ug/L	109		SW846 8260B
<u>-</u>	50.0	53.8	ug/L	108	1.4	SW846 8260B
1,4-Dichlorobenzene	10.0	8.56	ug/L	86		SW846 8260B
	10.0	9.91	ug/L	99	15	SW846 8260B
1-Butanol	100	88.6	ug/L	89		SW846 8260B
	100	93.4	ug/L	93	5.3	SW846 8260B
Toluene	10.0	9.16	ug/L	92		SW846 8260B
	10.0	10.2	ug/L	102	11	SW846 8260B
			PERCENT	RECOVERY		
SURROGATE			RECOVERY	LIMITS		
Toluene-d8	_		97	(85 - 121	.)	
			99	(85 - 121)	
Dibromofluoromethane			90	(84 - 117)	
			95	(84 - 117	-	
1.2-Dichloroethane-d4			89	(72 - 124	•	
_,			94	(72 - 124	•	
4-Bromofluorobenzene			88	(80 - 121		
* *** ********************************			94	(80 - 121	•	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

p Relative percent difference (RPD) is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL702 Work Order #...: J278AIAC-LCS Matrix.....: WATER

LCS Lot-Sample#: F7G190000-651 J278A1AD-LCSD

Prep Date....: 07/18/07 Analysis Date..: 07/18/07

Prep Batch #...: 7200651

Dilution Factor: 1

	SPIKE	MEASURE		PERCENT		
PARAMETER	AMOUNT	AMOUNT	UNITS	RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	8.42	ug/L	84		SW846 8260B
	10.0	8.18	ug/L	82	2.8	SW846 8260B
Ethylbenzene	10.0	9.32	ug/L	93		SW846 8260B
	10.0	9.00	ug/L	90	3.6	SW846 8260B
Ethyl acetate	20.0	21.5	ug/L	107		SW846 8260B
	20.0	22.4	ug/L	112	4.2	SW846 8260B
1,4-Dioxane	200	205	ug/L	102		SW846 8260B
	200	206	ug/L	103	0.92	SW846 8260B
Vinyl chloride	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.1	ug/L	101	2.5	SW846 8260B
Acetone	10.0	11.3	ug/L	113		SW846 8260B
	10.0	12.9	ug/L	129	13	SW846 8260B
Methylene chloride	10.0	10.0	ug/L	100		SW846 8260B
_	10.0	9.99	ug/L	100	0.28	SW846 B260B
Carbon disulfide	10.0	16.1 a	ug/L	161		SW846 8260B
	10.0	15.4 a	ug/L	154	4.7	SW846 B260B
1,1-Dichloroethane	10.0	8.88	ug/L	89		SW846 8260B
	10.0	8.76	ug/L	88	1.3	SW846 8260B
2-Butanone	10.0	12.1	ug/L	121		SW846 8260B
	10.0	11.0	ug/L	110	10	SW846 8260B
Chloroform	10.0	8.60	ug/L	86		SW846 8260B
	10.0	8.54	ug/L	85	0.63	SW846 8260B
cis-1,2-Dichloroethene	10.0	8.87	ug/L	89		SW846 8260B
	10.0	8.69	ug/L	87	2.0	SW846 8260B
Propionitrile	50.0	49.0	ug/L	98		SW846 8260B
_	50.0	54.9	ug/L	110	11	SW846 8260B
trans-1,2-Dichloroethene	10.0	8.71	ug/L	87		SW846 8260B
	10.0	8.43	ug/L	84	3.3	SW846 8260B
1,1,1-Trichloroethane	10.0	B.39	ug/L	84		SW846 8260B
•	10.0	B.33	ug/L	83	0.74	SW846 8260B
Carbon tetrachloride	10.0	8.14	ug/L	81		SW846 8260B
	10.0	7.96	ug/L	80	2.2	SW846 8260B
1,2-Dichloroethane	10.0	8.85	ug/L	88		SW846 8260B
•	10.0	8.70	ug/L	87	1.7	SW846 8260B
Benzene	10.0	9.20	ug/L	92		SW846 8260B .
	10.0	8.96	ug/L	90	2.6	SW846 8260B
Trichloroethene	10.0	8.86	ug/L	89		SW846 8260B
	10.0	8.42	ug/L	84	5.1	SW846 8260B
4-Methyl-2-pentanone	10.0	14.6 a	ug/L	146		SW846 8260B
	10.0	14.7 a	ug/L	147	0.95	SW846 B260B
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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL702 Work Order #...: J278A1AC-LCS Matrix.....: WATER

LCS Lot-Sample#: F7G190000-651

J278A1AD-LCSD

	SPIKE	MEASURED	ı	PERCENT			
PARAMETER	AMOUNT	<u> TRUOMA</u>	UNITS	RECOVERY	RPD	METHO	
1,1,2-Trichloroethane	10.0	9.10	ug/L	91			8260B
	10.0	9.18	ug/L	92	0.94		B260B
Tetrachloroethene	10.0	8.52	ug/L	85		SW846	8260B
	10.0	8.51	ug/L	85	0.070	SW846	8260B
Tetrahydrofuran	50.0	50.7	ug/L	101		SW846	8260B
_	50.0	54.6	ug/L	109	7.4	SW846	8260B
1,4-Dichlorobenzene	10.0	8.57	ug/L	86		SW846	8260B
	10.0	8.44 a	ug/L	84	1.6	SW846	8260B
1-Butanol	100	85.8	ug/L	86		SW846	8260B
	100	92.9	ug/L	93	7.9	SW846	8260B
Toluene	10.0	9.09	ug/L	91		SW846	8260B
	10.0	8.95	ug/L	90	1.6	SW846	8260B
			PERCENT	RECOVERY			
SURROGATE			RECOVERY	LIMITS			
Toluene-d8	-		97	(85 - 121	.)	•	
			98	(85 - 121	.)		
Dibromofluoromethane			91	(84 - 117	')		
			96	(84 - 117	')		
1,2-Dichloroethane-d4			90	(72 - 124	.)		
,			95	(72 - 124	.)		
4-Bromofluorobenzene			92	(80 - 121	.)		
			91	(BO - 121	•		

Note(s):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL702 Work Order #...: J3FTQ1AC-LCS Matrix.....: WATER

LCS Lot-Sample#: F7G240000-211 J3FTQ1AD-LCSD

Prep Date....: 07/20/07 Analysis Date..: 07/20/07

Prep Batch #...: 7205211

Dilution Factor: 1

	SPIKE	MEASUREI		PERCENT		
PARAMETER	AMOUNT	AMOUNT	UNITS	RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	8.84	ug/L	88		SW846 8260B
	10.0	8.73	ug/L	87	1.2	SW846 8260B
Ethylbenzene	10.0	9.72	ug/L	97		SW846 8260B
_	10.0	9.57	ug/L	96	1.6	SW846 8260B
1,4-Dioxane	200	222	ug/L	111		SW846 8260B
	200	186	ug/L	93	18	SW846 8260B
Vinyl chloride	10.0	9.93	ug/L	99		SW846 8260B
	10.0	9.38	ug/L	94	5.6	SW846 8260B
Acetone	10.0	12.2	ug/L	122		SW846 8260B
	10.0	11.4	ug/L	114	7.2	SW846 8260B
Methylene chloride	10.0	9.25	ug/L	92		SW846 8260B
	10.0	9.07	ug/L	91	2.0	SW846 8260B
Carbon disulfide	10.0	13.1	ug/L	131		SW846 8260B
	10.0	12.9	ug/L	129	1.6	SW846 8260B
1,1-Dichloroethane	10.0	9.84	ug/L	98		SW846 8260B
	10.0	9.36	ug/L	94	5.0	SW846 8260B
2-Butanone	10.0	9.36	ug/L	94		SW846 8260B
	10.0	10.6	ug/L	106	12	SW846 8260B
Chloroform	10.0	9.13	ug/L	91		SW846 8260B
	10.0	9.25	ug/L	92	1.3	SW846 8260B
cis-1,2-Dichloroethene	10.0	9.22	ug/L	92		SW846 8260B
	10.0	9.18	ug/L	92	0.43	SW846 8260B
Propionitrile	50.0	52.1	ug/L	104		SW846 8260B
	50.0	48.3	ug/L	97	7.6	SW846 8260B
trans-1,2-Dichloroethene	10.0	9.18	ug/L	92		SW846 8260B
	10.0	9.13	ug/L	91	0.48	SW846 8260B
1,1,1-Trichloroethane	10.0	8.78	ug/L	88		SW846 8260B
	10.0	8.86	ug/L	B9	0.90	SW846 8260B
Carbon tetrachloride	10.0	8.52	ug/L	85		SW846 8260B
	10.0	8.60	ug/L	86	0.99	SW846 8260B
1,2-Dichloroethane	10.0	9.85	ug/L	99		SW846 8260B
	10.0	9.76	ug/L	98	0.94	SW846 8260B
Benzene	10.0	10.0	ug/L	100		SW846 8260B
	10.0	9.77	ug/L	98	2.4	SW846 8260B
Trichloroethene	10.0	9.32	ug/L	93		SW846 8260B
•	10.0	9.55	ug/L	95	2.5	SW846 8260B
4-Methyl-2-pentanone	10.0	13.3	ug/L	133		SW846 8260B
	10.0	12.9	ug/L	129	3.0	SW846 8260B
1,1,2-Trichloroethane	10.0	9.91	ug/L	99		SW846 8260B
	10.0	9.71	ug/L	97	2.0	SW846 8260B

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL702 Work Order #...: J3FTQ1AC-LCS Matrix.....: WATER

LCS Lot-Sample#: F7G240000-211

J3FTQ1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Tetrachloroethene	10.0	9.31	ug/L	93	<u> </u>	SW846 8260B
	10.0	9.16	ug/L	92	1.5	SW846 B260B
Tetrahydrofuran	50.0	45.8	ug/L	92		SW846 B260B
•	50.0	47.1	ug/L	94	2.8	SW846 8260B
1,4-Dichlorobenzene	10.0	9.24	ug/L	92		SW846 8260B
	10.0	9.13	ug/L	91	1.2	SW846 8260B
1-Butanol	100	83.5	ug/L	83		SW846 8260B
	100	90.5	ug/L	91	8.1	SW846 8260B
Toluene	10.0	9.66	ug/L	97		SW846 8260B
	10.0	9.37	ug/L	94	3.0	SW846 8260B
			PERCENT	RECOVERY		
SURROGATE			RECOVERY	LIMITS		
Toluene-d8	_		93	(85 - 121	.)	
			95	(85 - 121	.)	
Dibromofluoromethane			94	(84 - 117	')	
			97	(84 - 117)	
1,2-Dichloroethane-d4			96	(72 - 124	.)	
-			93	(72 - 124)	
4-Bromofluorobenzene			87	(80 - 121	.)	
			90	(80 - 121	.)	

NOTE (S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL702 Work Order #...: J3FMR1AC-LCS Matrix.....: WATER

LCS Lot-Sample#: F7G240000-220 J3FMR1AD-LCSD

Prep Date....: 07/23/07 Analysis Date..: 07/23/07

Prep Batch #...: 7205220

Dilution Factor: 1

PARAMETER		SPIKE	MEASUREI		PERCENT		
Start Star	PARAMETER	AMOUNT	AMOUNT	UNITS	RECOVERY	RPD	METHOD
Ethylbenzene 10.0 9.23 ug/L 92 3.2 SW846 8260B 10.0 9.78 ug/L 98 3.3 SW846 8260B 10.0 10.0 10.6 ug/L 128 5.7 SW846 8260B 10.0 10.0 10.6 ug/L 106 SW846 8260B 10.0 10.0 10.4 ug/L 106 SW846 8260B 10.0 10.0 10.4 ug/L 104 2.8 SW846 8260B 10.0 10.0 12.4 ug/L 124 SW846 8260B 10.0 12.1 ug/L 124 SW846 8260B 10.0 12.1 ug/L 121 2.7 SW846 8260B 10.0 11.2 ug/L 121 2.7 SW846 8260B 10.0 11.2 ug/L 112 3.0 SW846 8260B 10.0 11.2 ug/L 112 3.0 SW846 8260B 10.0 11.2 ug/L 112 3.0 SW846 8260B 10.0 11.2 ug/L 101 SW846 8260B 10.0 10.0 10.1 ug/L 101 SW846 8260B 10.0 10.0 10.1 ug/L 101 SW846 8260B 10.0 10.0 10.3 ug/L 103 SW846 8260B 10.0 10.2 ug/L 103 SW846 8260B 10.0 10.2 ug/L 103 SW846 8260B 10.0 10.2 ug/L 102 SW846 8260B 10.0 10.5 ug/L 105 0.95 SW846 8260B 10.0 10.5 ug/L 105 0.95 SW846 8260B 10.0 10.5 ug/L 105 0.95 SW846 8260B 10.0 10.0 ug/L 104 SW846 8260B 10.0 10.2 ug/L 105 0.95 SW846 8260B 10.0 10.0 ug/L 105 0.95 SW846 8260B 10.0 10.0 ug/L 105 0.95 SW846 8260B 10.0 10.0 ug/L 104 SW846 8260B 10.0 10.0 ug/L 104 SW846 8260B 10.0 10.2 ug/L 102 SW846 8260B 10.0 10.2 ug/L 102 SW846 8260B 10.0 10.2 ug/L 102 SW846 8260B 10.0 10.1 ug/L 102 SW846 8260B 10.0 10.1 ug/L 102 SW846 8260B 10.0 10.1 ug/L 104 SW846 8260B 10.0 10.1 ug/L 107 SW846 8260B 10.0 10.1 ug/L 104 SW846 8260B 10.0 SW846 8260B 10.0 10.1 ug/L 104 SW846 8260B 10.0 10.1 ug/L 104 SW846 8260B 10.0 10.0 ug/L 104 SW846 8260B 10.0 10.0 ug/L 104 SW846 8260B 10.0 10.0 ug/L 104 SW846 8260B 10.0 SW846 8260B 10.0 10.0 ug/L 104 SW846 8260B 10.0 SW846 8260B 10.0 Ug/L 104 SW846 8260B	1,1-Dichloroethene	10.0	9.53	ug/L	95		SW846 8260B
10.0 9.78 ug/L 98 3.3 SM846 8260B 1,4-Dioxame 200 242 ug/L 121 SM846 8260B 200 255 ug/L 128 5.7 SM846 8260B 200 255 ug/L 106 SM846 8260B 200	•	10.0	9.23	ug/L	92	3.2	SW846 8260B
10.0 9.78 \text{ug/L} 121	Ethylbenzene	10.0	10.1	ug/L	101		SW846 8260B
1,4-Dioxane 200 242 ug/L 121 SN846 8260B Vinyl chloride 10.0 10.6 ug/L 106 SN846 8260B Vinyl chloride 10.0 10.4 ug/L 104 2.8 SN846 8260B Acetone 10.0 12.4 ug/L 124 SN846 8260B Acetone 10.0 12.1 ug/L 124 SN846 8260B Acetone 10.0 12.1 ug/L 121 2.7 SN846 8260B Acetone 10.0 10.9 ug/L 109 SN846 8260B Acetone 10.0 10.9 ug/L 109 SN846 8260B Acetone 10.0 10.1 ug/L 112 3.0 SN846 8260B Acetone 10.0 10.1 ug/L 101 SN846 8260B Acetone 10.0 10.1 ug/L 101 SN846 8260B Acetone 10.0 10.1 ug/L 101 SN846 8260B Acetone 10.0 10.3 ug/L 103 SN846 8260B Acetone 10.0 10.2 ug/L 102 I.5 SN846 8260B Acetone 10.0 10.2 ug/L 102 I.5 SN846 8260B Acetone 10.0 12.9 ug/L 129 SN846 8260B Acetone 10.0 12.9 ug/L 125 3.0 SN846 8260B Acetone 10.0 10.4 ug/L 104 SN846 8260B Acetone 10.0 10.5 ug/L 105 SN846 8260B Acetone 10.0 10.5 ug/L 105 SN846 8260B Acetone 10.0 10.0 ug/L 100 SN846 8260B Acetone 10.0 10.0 ug/L 100 SN846 8260B Acetone 10.0 10.2 ug/L 104 SN846 8260B Acetone 10.0 10.2 ug/L 104 SN846 8260B Acetone 10.0 10.2 ug/L 102 SN846 8260B Acetone 10.0 10.2 ug/L 102 SN846 8260B Acetone 10.0 10.2 ug/L 102 SN846 8260B Acetone 10.0 10.4 ug/L 111 SN846 8260B Acetone 10.0 10.4 ug/L 114 2.2 SN846 8260B Acetone 10.0 10.4 ug/L 114 2.2 SN846 8260B Acetone 10.0 10.4 ug/L 114 3.0 SN846 8260B Acetone 3.0 3.0 3.0 3.0 3.	-	10.0	9.78	ug/L	98	3.3	SW846 8260B
Vinyl chloride 10.0 10.6 ug/L 106 SW846 8260B Acetone 10.0 10.4 ug/L 104 2.8 SW846 8260B Acetone 10.0 12.4 ug/L 124 SW846 8260B 10.0 12.1 ug/L 121 2.7 SW846 8260B Methylene chloride 10.0 10.9 ug/L 109 SW846 8260B Carbon disulfide 10.0 10.1 ug/L 101 SW846 8260B 10.0 10.1 ug/L 96 4.3 SW846 8260B 10.1 10.2 ug/L 103 SW846 8260B 10.1 10.2 ug/L 103 SW846 8260B 10.1 10.2 ug/L 103 SW846 8260B 2-Butanone 10.0 10.2 ug/L 129 SW846 8260B 2-Butanone 10.0 10.4 ug/L 105	1,4-Dioxane	200	242	ug/L	121		SW846 8260B
10.0 10.4 ug/L 104 2.8 SW846 8260B	•	200	256	ug/L	128	5.7	SW846 8260B
Acetone 10.0 10.4 ug/L 104 2.8 SN846 8260B 10.0 12.1 ug/L 124 SN846 8260B 10.0 12.1 ug/L 121 2.7 SN846 8260B 10.0 12.1 ug/L 109 SN846 8260B 10.0 11.2 ug/L 112 3.0 SN846 8260B 10.0 10.1 ug/L 101 SN846 8260B 10.0 10.1 ug/L 101 SN846 8260B 10.0 10.1 ug/L 101 SN846 8260B 1.1-Dichloroethane 10.0 10.3 ug/L 103 SN846 8260B 1.1-Dichloroethane 10.0 10.2 ug/L 102 SN846 8260B 10.0 12.5 ug/L 102 SN846 8260B 10.0 12.5 ug/L 129 SN846 8260B 10.0 12.5 ug/L 125 3.0 SN846 8260B 10.0 10.4 ug/L 104 SN846 8260B 10.0 10.5 ug/L 105 SN846 8260B 10.0 10.0 ug/L 100 SN846 8260B 10.0 10.0 ug/L 100 SN846 8260B 10.0 10.0 ug/L 100 SN846 8260B 10.0 10.0 ug/L 104 SN846 8260B 10.0 10.0 ug/L 102 SN846 8260B 10.0 9.94 ug/L 102 SN846 8260B 10.0 9.90 ug/L 102 SN846 8260B 10.0 9.90 ug/L 102 SN846 8260B 10.0 9.90 ug/L 107 SN846 8260B 10.0 9.90 ug/L 107 SN846 8260B 10.0 10.7 ug/L 107 SN846 8260B 10.0 10.1 ug/L 111 SN846 8260B 10.0 10.1 ug/L 111 SN846 8260B 10.0 10.1 ug/L 111 SN846 8260B 10.0 10.0 ug/L 107 SN846 8260B 10.0 10.0 ug/L 106 2.9 SN846 8260B 10.0 10.0 ug/L 106 2.9 SN84	Vinyl chloride	10.0	10.6	ug/L	106		SW846 8260B
Methylene chloride	-	10.0	10.4	ug/L	104	2.8	SW846 8260B
Methylene chloride 10.0 10.9 ug/L 10.9 SW846 8260B Carbon disulfide 10.0 11.2 ug/L 112 3.0 SW846 8260B 10.0 10.1 ug/L 101 SW846 8260B 1.1-Dichloroethane 10.0 10.3 ug/L 103 SW846 8260B 2-Butanone 10.0 10.2 ug/L 129 SW846 8260B 2-Butanone 10.0 12.5 ug/L 129 SW846 8260B Chloroform 10.0 10.4 ug/L 104 SW846 8260B Chloroform 10.0 10.5 ug/L 105 SW846 8260B Chloroform 10.0 10.4 ug/L 104 SW846 8260B Chloroform 10.0 10.5 ug/L 105 SW846 8260B Cis-1,2-Dichloroetheme 10.0 10.5 ug/L 10 SW846 8260B trans-1,2-Dichlo	Acetone	10.0	12.4	ug/L	124		SW846 8260B
Carbon disulfide 10.0 10.1 ug/L 101 SW846 8260B 1.1-Dichloroethane 10.0 10.1 ug/L 103 SW846 8260B 1.1-Dichloroethane 10.0 10.2 ug/L 103 SW846 8260B 2-Butanone 10.0 12.9 ug/L 129 SW846 8260B 2-Butanone 10.0 10.4 ug/L 104 SW846 8260B 10.0 10.0 10.5 ug/L 105 3.0 SW846 8260B 10.0 10.0 10.5 ug/L 104 SW846 8260B 2-Butanone 10.0 10.5 ug/L 105 0.95 SW846 8260B 2-Butanone 10.0 10.5 ug/L 105 SW846 8260B 2-Butanone 10.0 10.0 ug/L 100 SW846 8260B 2-Butanone 10.0 10.0 ug/L 104 SW846 8260B 2-Butanone 10.0 10.0 ug/L 104 SW846 8260B 2-Butanone 10.0 10.1 ug/L 104 SW846 8260B 2-Butanone 10.0 10.1 ug/L 102 SW846 8260B 2-Butanone 10.0 10.7 ug/L 102 SW846 8260B 2-Butanone 10.0 10.7 ug/L 107 SW846 8260B 2-Butanone 10.0 10.7 ug/L 104 2.3 SW846 8260B 2-Butanone 10.0 10.7 ug/L 107 SW846 8260B 2-Butanone 10.0 10.7 ug/L 107 3.1 SW846 8260B 2-Butanone 10.0 11.1 ug/L 111 SW846 8260B 2-Butanone 10.0 11.4 ug/L 111 SW846 8260B 2-Butanone 10.0 11.4 ug/L 111 SW846 8260B 2-Butanone 10.0 10.6 ug/L 106 2.9 SW846 8260B 2-Butanone 10.0 10.6 ug/L 106 2.9 SW846 8260B 2-Butanone 10.0 10.6 ug/L 106 2.9 SW846 8260B 2-Butanone 10.0 10.3 ug/L 103 SW846 8260B 2-But		10.0	12.1	ug/L	121	2.7	SW846 8260B
Carbon disulfide 10.0 10.1 ug/L 101 SW846 8260B 10.0 9.64 ug/L 96 4.3 SW846 8260B 1,1-Dichloroethane 10.0 10.3 ug/L 103 SW846 8260B 10.0 10.2 ug/L 102 1.5 SW846 8260B 10.0 12.9 ug/L 129 SW846 8260B 10.0 12.5 ug/L 129 SW846 8260B 10.0 12.5 ug/L 125 3.0 SW846 8260B 10.0 10.4 ug/L 104 SW846 8260B 10.0 10.5 ug/L 105 0.95 SW846 8260B 10.0 10.5 ug/L 105 0.95 SW846 8260B 10.0 10.5 ug/L 105 0.95 SW846 8260B 10.0 9.94 ug/L 100 SW846 8260B 10.0 9.94 ug/L 99 1.1 SW846 8260B 10.0 9.94 ug/L 104 SW846 8260B 10.0 9.99 ug/L 112 7.6 SW846 8260B 10.0 9.90 ug/L 112 7.6 SW846 8260B 10.0 9.90 ug/L 112 SW846 8260B 10.0 9.90 ug/L 112 SW846 8260B 10.0 9.90 ug/L 110 SW846 8260B 10.0 9.90 ug/L 110 SW846 8260B 10.0 9.90 ug/L 110 SW846 8260B 10.0 10.4 ug/L 107 SW846 8260B 10.0 10.4 ug/L 107 SW846 8260B 10.0 10.4 ug/L 107 SW846 8260B 10.0 10.4 ug/L 111 SW846 8260B 10.0 10.4 ug/L 111 SW846 8260B 10.0 10.7 ug/L 111 SW846 8260B 10.0 10.1 ug/L 111 SW846 8260B 10.0 11.1 ug/L 111 SW846 8260B 10.0 11.1 ug/L 111 SW846 8260B 10.0 11.4 ug/L 114 2.2 SW846 8260B 10.0 11.4 ug/L 114 2.2 SW846 8260B 10.0 9.72 ug/L 97 SW846 8260B 10.0 9.72 ug/L 109 SW846 8260B 10.0 10.6 ug/L 104 SW846 8260B 10.0 10.6 ug/L 104 SW846 8260B 10.0 10.4 ug/L 114 SW846 8260B 10.0 10.0 10.3 ug/L 103 SW846 8260B 10.0 10.3 ug/L 103	Methylene chloride	10.0	10.9	ug/L	109		SW846 8260B
10.0 9.64 ug/L 96 4.3 SW846 8260B	_	10.0	11.2	ug/L	112	3.0	SW846 8260B
1,1-Dichloroethane	Carbon disulfide	10.0	10.1	ug/L	101		SW846 8260B
10.0 10.2 ug/L 102 1.5 SW846 8260B		10.0	9.64	ug/L	96	4.3	SW846 8260B
2-Butanone 10.0 12.9 ug/L 125 3.0 SW846 8260B Chloroform 10.0 10.4 ug/L 104 SW846 8260B Cis-1,2-Dichloroetheme 10.0 10.0 ug/L 100 SW846 8260B Propionitrile 50.0 51.9 ug/L 104 SW846 8260B Crans-1,2-Dichloroetheme 10.0 10.2 ug/L 102 SW846 8260B Crans-1,2-Dichloroetheme 10.0 10.7 ug/L 107 SW846 8260B Crans-1,2-Dichloroetheme 10.0 10.7 ug/L 107 SW846 8260B Crans-1,2-Dichloroetheme 10.0 10.7 ug/L 107 SW846 8260B Crans-1,2-Dichloroetheme 10.0 10.1 ug/L 111 SW846 8260B Crans-1,2-Dichloroetheme 10.0 10.1 ug/L 114 SW846 8260B Crans-1,2-Dichloroetheme 10.0 10.1 ug/L 114 SW846 8260B Crans-1,2-Trichloroetheme 10.0 10.3 ug/L 103 SW846 8260B Crans-1,2-Trichloroetheme 10.0 10.3 ug/L 103 SW846 8260B	1,1-Dichloroethane	10.0	10.3	ug/L	103		SW846 8260B
10.0 12.5 ug/L 125 3.0 SW846 8260B		10.0	10.2	ug/L	102	1.5	SW846 8260B
Chloroform 10.0 10.4 ug/L 104 SW846 8260B 10.0 10.5 ug/L 105 0.95 SW846 8260B 10.0 10.0 ug/L 100 SW846 8260B 10.0 9.94 ug/L 99 1.1 SW846 8260B 10.0 9.94 ug/L 99 1.1 SW846 8260B 10.0 10.0 ug/L 104 SW846 8260B 10.0 10.0 ug/L 104 SW846 8260B 10.0 ug/L 104 SW846 8260B 10.0 ug/L 102 SW846 8260B 10.0 10.0 ug/L 102 SW846 8260B 10.0 9.90 ug/L 102 SW846 8260B 10.0 9.90 ug/L 99 3.4 SW846 8260B 10.1 ug/L 107 SW846 8260B 10.0 10.4 ug/L 107 SW846 8260B 10.0 10.4 ug/L 104 2.3 SW846 8260B 10.0 10.1 ug/L 107 SW846 8260B 10.0 10.7 ug/L 107 SW846 8260B 10.0 10.7 ug/L 107 3.1 SW846 8260B 10.0 10.7 ug/L 111 SW846 8260B 10.0 10.7 ug/L 111 SW846 8260B 10.0 11.1 ug/L 111 SW846 8260B 10.0 11.4 ug/L 111 SW846 8260B 10.0 11.4 ug/L 114 2.2 SW846 8260B 10.0 11.4 ug/L 114 2.2 SW846 8260B 10.0 11.4 ug/L 114 2.2 SW846 8260B 10.0 10.0 10.9 ug/L 97 SW846 8260B 10.0 10.0 10.9 ug/L 109 SW846 8260B 10.0 10.0 10.6 ug/L 109 SW846 8260B 10.0 10.6 ug/L 106 2.9 SW846 8260B 10.0 12.3 ug/L 123 7.2 SW846 8260B 10.0 10.3 ug/L 103 SW846 8260B	2-Butanone	10.0	12.9	ug/L	129		SW846 B260B
Cis-1,2-Dichloroethene		10.0	12.5	ug/L	125	3.0	SW846 8260B
Cis-1,2-Dichloroethene	Chloroform	10.0	10.4	ug/L	104		SW846 8260B
10.0 9.94 ug/L 99 1.1 SW846 8260B		10.0	10.5	ug/L	105	0.95	SW846 8260B
Propionitrile 50.0 51.9 ug/L 104 SW846 8260B trans-1,2-Dichloroetheme 10.0 10.2 ug/L 102 SW846 8260B 10.0 9.90 ug/L 107 SW846 8260B 1,1,1-Trichloroethane 10.0 10.7 ug/L 107 SW846 8260B 10.0 10.4 ug/L 104 2.3 SW846 8260B 10.0 10.4 ug/L 104 2.3 SW846 8260B 10.0 10.7 ug/L 107 SW846 8260B 10.0 10.7 ug/L 111 SW846 8260B 10.0 10.7 ug/L 111 SW846 8260B 1,2-Dichloroethane 10.0 11.1 ug/L 111 SW846 8260B 10.0 11.4 ug/L 111 SW846 8260B 10.0 11.4 ug/L 114 2.2 SW846 8260B 10.0 11.4 ug/L 114 2.2 SW846 8260B Trichloroethene 10.0 9.72 ug/L 97 SW846 8260B Trichloroethene 10.0 10.9 ug/L 109 SW846 8260B Trichloroethene 10.0 10.9 ug/L 109 SW846 8260B 10.0 10.6 ug/L 106 2.9 SW846 8260B 4-Methyl-2-pentanone 10.0 11.4 ug/L 114 SW846 8260B 1,1,2-Trichloroethane 10.0 10.3 ug/L 123 7.2 SW846 8260B	cis-1,2-Dichloroethene	10.0	10.0	ug/L	100		SW846 8260B
So.0 So.0 So.0 Ug/L 112 7.6 SW846 8260B		10.0	9.94	ug/L	99	1.1	SW846 8260B
trans-1,2-Dichloroethene 10.0 10.2 ug/L 102 SW846 8260B 10.0 9.90 ug/L 99 3.4 SW846 8260B 1,1,1-Trichloroethane 10.0 10.7 ug/L 107 SW846 8260B 10.0 10.4 ug/L 104 2.3 SW846 8260B 10.0 10.4 ug/L 111 SW846 8260B 10.0 10.7 ug/L 107 3.1 SW846 8260B 10.0 10.7 ug/L 107 3.1 SW846 8260B 1,2-Dichloroethane 10.0 11.1 ug/L 111 SW846 8260B 10.0 11.4 ug/L 111 SW846 8260B 10.0 11.4 ug/L 114 2.2 SW846 8260B 10.0 9.72 ug/L 97 SW846 8260B 8260B 10.0 9.68 ug/L 97 SW846 8260B Trichloroethene 10.0 10.9 ug/L 109 SW846 8260B 10.0 10.6 ug/L 106 2.9 SW846 8260B 4-Methyl-2-pentanone 10.0 11.4 ug/L 114 SW846 8260B 10.0 12.3 ug/L 123 7.2 SW846 8260B 1,1,2-Trichloroethane 10.0 10.3 ug/L 103 SW846 8260B	Propionitrile	50.0	51.9	ug/L	104		SW846 8260B
10.0 9.90 ug/L 99 3.4 SW846 8260B 1,1,1-Trichloroethane 10.0 10.7 ug/L 107 SW846 8260B 10.0 10.4 ug/L 104 2.3 SW846 8260B Carbon tetrachloride 10.0 11.1 ug/L 111 SW846 8260B 1,2-Dichloroethane 10.0 11.1 ug/L 111 SW846 8260B 1,2-Dichloroethane 10.0 11.1 ug/L 111 SW846 8260B Benzene 10.0 9.72 ug/L 97 SW846 8260B Trichloroethene 10.0 9.68 ug/L 97 SW846 8260B Trichloroethene 10.0 10.9 ug/L 109 SW846 8260B 1.4-Methyl-2-pentanone 10.0 11.4 ug/L 114 SW846 8260B 1,1,2-Trichloroethane 10.0 10.3 ug/L 123 7.2 SW846 8260B		50.0	56.0	ug/L	112	7.6	SW846 8260B
1,1,1-Trichloroethane	trans-1,2-Dichloroethene	10.0	10.2	ug/L	102		SW846 8260B
10.0 10.4 ug/L 104 2.3 SW846 8260B		10.0	9.90	ug/L	99	3.4	SW846 8260B
Carbon tetrachloride 10.0 11.1 ug/L 111 SW846 8260B 10.0 10.7 ug/L 107 3.1 SW846 8260B 1,2-Dichloroethane 10.0 11.1 ug/L 111 SW846 8260B 10.0 11.4 ug/L 114 2.2 SW846 8260B Benzene 10.0 9.72 ug/L 97 SW846 8260B 10.0 9.68 ug/L 97 0.43 SW846 8260B Trichloroethene 10.0 10.9 ug/L 109 SW846 8260B 10.0 10.6 ug/L 106 2.9 SW846 8260B 4-Methyl-2-pentanone 10.0 11.4 ug/L 114 SW846 8260B 1,1,2-Trichloroethane 10.0 10.3 ug/L 103 SW846 8260B	1,1,1-Trichloroethane	10.0	10.7	ug/L	107		SW846 8260B
10.0 10.7 ug/L 107 3.1 SW846 8260B 1,2-Dichloroethane 10.0 11.1 ug/L 111 SW846 8260B 10.0 11.4 ug/L 114 2.2 SW846 8260B Benzene 10.0 9.72 ug/L 97 SW846 8260B 10.0 9.68 ug/L 97 0.43 SW846 8260B Trichloroethene 10.0 10.9 ug/L 109 SW846 8260B 10.0 10.6 ug/L 106 2.9 SW846 8260B 4-Methyl-2-pentanone 10.0 11.4 ug/L 114 SW846 8260B 1,1,2-Trichloroethane 10.0 10.3 ug/L 103 SW846 8260B		10.0	10.4	ug/L	104	2.3	SW846 8260B
1,2-Dichloroethane 10.0 11.1 ug/L 111 SW846 8260B 10.0 11.4 ug/L 114 2.2 SW846 8260B Benzene 10.0 9.72 ug/L 97 SW846 8260B 10.0 9.68 ug/L 97 0.43 SW846 8260B Trichloroethene 10.0 10.9 ug/L 109 SW846 8260B 10.0 10.6 ug/L 106 2.9 SW846 8260B 4-Methyl-2-pentanone 10.0 11.4 ug/L 114 SW846 8260B 1,1,2-Trichloroethane 10.0 10.3 ug/L 103 SW846 8260B	Carbon tetrachloride	10.0	11.1	ug/L	111		SW846 8260B
10.0 11.4 ug/L 114 2.2 SW846 8260B		10.0	10.7	ug/L	107	3.1	SW846 8260B
Benzene 10.0 9.72 ug/L 97 SW846 8260B 10.0 9.68 ug/L 97 0.43 SW846 8260B Trichloroethene 10.0 10.9 ug/L 109 SW846 8260B 10.0 10.6 ug/L 106 2.9 SW846 8260B 4-Methyl-2-pentanone 10.0 11.4 ug/L 114 SW846 8260B 1,1,2-Trichloroethane 10.0 10.3 ug/L 103 SW846 8260B	1,2-Dichloroethane	10.0	11.1	ug/L	111		SW846 8260B
10.0 9.68 ug/L 97 0.43 SW846 8260B Trichloroethene 10.0 10.9 ug/L 109 SW846 8260B 10.0 10.6 ug/L 106 2.9 SW846 8260B 4-Methyl-2-pentanone 10.0 11.4 ug/L 114 SW846 8260B 10.0 12.3 ug/L 123 7.2 SW846 8260B 1,1,2-Trichloroethane 10.0 10.3 ug/L 103 SW846 8260B		10.0	11.4	ug/L	114	2.2	SW846 8260B
Trichloroethene 10.0 10.9 ug/L 109 SW846 8260B 10.0 10.6 ug/L 106 2.9 SW846 8260B 4-Methyl-2-pentanone 10.0 11.4 ug/L 114 SW846 8260B 10.0 12.3 ug/L 123 7.2 SW846 8260B 1,1,2-Trichloroethane 10.0 10.3 ug/L 103 SW846 8260B	Benzene	10.0	9.72	ug/L	97		SW846 8260B
10.0 10.6 ug/L 106 2.9 SW846 8260B 4-Methyl-2-pentanone 10.0 11.4 ug/L 114 SW846 8260B 10.0 12.3 ug/L 123 7.2 SW846 8260B 1,1,2-Trichloroethane 10.0 10.3 ug/L 103 SW846 8260B		10.0	9.68	ug/L	97	0.43	SW846 8260B
4-Methyl-2-pentanone 10.0 11.4 ug/L 114 SW846 8260B 10.0 12.3 ug/L 123 7.2 SW846 8260B 1,1,2-Trichloroethane 10.0 10.3 ug/L 103 SW846 8260B	Trichloroethene	10.0	10.9	ug/Ļ	109		
10.0 12.3 ug/L 123 7.2 SW846 8260B 1,1,2-Trichloroethane 10.0 10.3 ug/L 103 SW846 8260B		10.0	10.6	-	106	2.9	
1,1,2-Trichloroethane 10.0 10.3 ug/L 103 SW846 8260B	4-Methyl-2-pentanone	10.0	11.4		114		
1/1/2 111011101101101101101101101101101101101		10.0		_	123	7.2	
10.0 10.2 ug/L 102 0.48 SW846 8260B	1,1,2-Trichloroethane	10.0	10.3	_	103		
		10.0	10.2	ug/L	102	0.48	SW846 8260B

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL702 Work Order #...: J3FMR1AC-LCS Matrix..... WATER

LCS Lot-Sample#: F7G240000-220

J3FMR1AD-LCSD

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Tetrachloroethene	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.1	ug/L	101	1.5	SW846 8260B
Tetrahydrofuran	50.0	55.1	ug/L	110		SW846 8260B
-	50.0	56.9	ug/L	114	3.3	SW846 8260B
1.4-Dichlorobenzene	10.0	9.70	ug/L	97		SW846 8260B
-,	10.0	9.60	ug/L	96	1.1	SW846 8260B
1-Butanol	100	132	ug/L	132		SW846 8260B
	100	138	ug/L	138	4.4	SW846 8260B
Toluene	10.0	9.77	ug/L	98		SW846 8260B
1012000	10.0	9.56	ug/L	96	2.2	SW846 8260B
	10.0	3.30	L 9/ L	30		5
			PERCENT	RECOVERY		
SURROGATE			RECOVERY	LIMITS		
Toluene-d8			98	(85 - 121	.)	
			96	(85 - 121	.)	
Dibromofluoromethane			105	(84 - 117	·)	
			104	(84 - 117	•	
1,2-Dichloroethane-d4			109	(72 - 124	•	
1,2 Diditorocollette di			114	(72 - 124		
4-Bromofluorobenzene			91	(80 - 121	-	
4 DIOMOTIMOTODENSENS			91	(80 - 121	•	
			7 ≜	100 - 121	. /	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL702 Work Order #...: J31N71AC-LCS Matrix..... WATER

LCS Lot-Sample#: F7H010000-154 J31N71AD-LCSD

Prep Date....: 07/31/07 Analysis Date..: 07/31/07

Prep Batch #...: 7213154

Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Carbon tetrachloride	10.0	11.1	ug/L	111		SW846 8260B
	10.0	10.9	ug/L	109	1.5	SW846 8260B
			PERCENT	RECOVERY		
SURROGATE			RECOVERY	LIMITS	_	
Toluene-d8			95	(85 - 121	.)	
			95	(85 - 121	.)	
Dibromofluoromethane			101	(84 - 117)	
			103	(84 - 117)	
1,2-Dichloroethane-d4			109	(72 - 124)	
·			118	(72 - 124)	
4-Bromofluorobenzene			93	(80 - 121	.)	
2			96	(80 - 121	.)	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL702 Work Order #...: J37WA1AC-LCS Matrix..... WATER

LCS Lot-Sample#: F7H030000-157 J37WA1AD-LCSD

Prep Date....: 08/01/07 Analysis Date..: 08/01/07

Prep Batch #...: 7215157

Dilution Factor: 1

	SPIKE	MEASUREL)	PERCENT		
PARAMETER	AMOUNT	AMOUNT	UNITS	RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	9.61	ug/L	96		SW846 8260B
_,	10.0	8.78	ug/L	88	9.0	SW846 8260B
Ethylbenzene	10.0	10.1	ug/L	101		SW846 B260B
	10.0	9.85	ug/L	99	2.5	SW846 8260B
1.4-Dioxane	200	210	ug/L	105		SW846 8260B
·	200	230	ug/L	115	8.9	SW846 8260B
Vinyl chloride	10.0	9.94	ug/L	99		SW846 8260B
-	10.0	9.28	ug/L	93	6.8	SW846 8260B
Acetone	10.0	9.81	ug/L	98		SW846 8260B
	10.0	10.3	ug/L	103	5.2	SW846 8260B
Methylene chloride	10.0	11.2	ug/L	112		SW846 8260B
-	10.0	10.6	ug/L	106	5.5	SW846 8260B
Carbon disulfide	10.0	8.92	ug/L	89		SW846 8260B
	10.0	8.23	ug/L	82	8.1	SW846 8260B
1,1-Dichloroethane	10.0	10.9	ug/L	109		SW846 8260B
	10.0	10.6	ug/L	106	3.0	SW846 8260B
2-Butanone	10.0	10.0	ug/L	100		SW846 8260B
	10.0	11.8	ug/L	118	16	SW846 8260B
Chloroform	10.0	10.8	ug/L	108		SW846 8260B
	10.0	10.5	ug/L	105	3.3	SW846 8260B
cis-1,2-Dichloroethene	10.0	9.67	ug/L	97		SW846 8260B
	10.0	9.38	ug/L	94	3.0	SW846 8260B
Propionitrile	50.0	47.8	ug/L	96		SW846 8260B
	50.0	53.4	ug/L	107	11	SW846 8260B
trans-1,2-Dichloroethene	10.0	9.99	ug/L	100		SW846 8260B
	10.0	9.37	ug/L	94	6.4	SW846 8260B
1,1,1-Trichloroethane	10.0	11.2	ug/L	112		SW846 8260B
	10.0	10.9	ug/L	109	3.4	SW846 8260B
Carbon tetrachloride	10.0	11.6	ug/L	116		SW846 8260B
	10.0	11.2	ug/L	112	3.1	SW846 8260B
1,2-Dichloroethane	10.0	12.0	ug/L	120		SW846 8260B
	10.0	11.8	ug/L	118	1.8	SW846 8260B
Benzene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	9.89	ug/L	99	3.6	SW846 8260B
Trichloroethene	10.0	10.6	nd\r	106		SW846 8260B
	10.0	10.2	ug/L	102	4.0	SW846 8260B
4-Methyl-2-pentanone	10.0	9.95	ug/L	100		SW846 8260B
	10.0	10.6	ug/L	106	6.3	SW846 8260B
1,1,2-Trichloroethane	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.4	ug/L	104	1.5	SW846 8260B

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Work Order #...: J37WA1AC-LCS Matrix....: WATER Client Lot #...: SL702 J37WA1AD-LCSD

LCS Lot-Sample#: F7H030000-157

	SPIKE	MEASURED		PERCENT		
PARAMETER	AMOUNT	AMOUNT	UNITS	RECOVERY	RPD	METHOD
Tetrachloroethene	10.0	10.2	ug/L	102		SW846 8260B
	10.0	9.59	ug/L	96	6.1	SW846 8260B
Tetrahydrofuran	50.0	46.8	ug/L	94		SW846 8260B
<u>-</u>	50.0	50.2	ug/L	100	6.9	SW846 8260B
1,4-Dichlorobenzene	10.0	9.70	ug/L	97		SW846 B260B
	10.0	9.46	ug/L	95	2.5	SW846 8260B
1-Butanol	100	129	ug/L	129		SW846 8260B
	100	158 a	ug/L	158	20	SW846 8260B
Toluene	10.0	10.3	ug/L	103		SW846 8260B
	10.0	9.91	ug/L	99	3.9	SW846 8260B

	PERCENT	RECOVERY
SURROGATE	RECOVERY	LIMITS
Toluene-d8	95	(85 - 121)
	95	(85 - 121)
Dibromofluoromethane	100	(84 - 117)
	102	(84 - 117)
1,2-Dichloroethane-d4	109	(72 - 124)
	112	(72 - 124)
4-Bromofluorobenzene	95	(80 - 121)
	95	(80 - 121)

Calculations are performed before rounding to avoid round-off errors in calculated results.

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL702

Work Order #...: J2VNC1AD-MS

Matrix..... WATER

MS Lot-Sample #: F7G130254-001

Date Sampled...: 07/12/07

Date Received..: 07/13/07

J2VNC1AE-MSD

Prep Date....: 07/17/07

Analysis Date..: 07/17/07

Prep Batch #...: 7200645

Dilution Factor: 1

PARAMETER		SAMPLE	SPIKE	MEASRD		PERCNT		
10.0 10.0 8.92 10.5 10.0	PARAMETER				UNITS	_	RPD	METHOD
Richylbenzene								SW846 8260B
Rethylbenzene	-,-				-	91	1.5	SW846 8260B
ND	Ethylbenzene	ND	10.0	9.25		93		SW846 8260B
1,4-Dioxane	2011, 1011111111111111111111111111111111				_	91	2.0	SW846 8260B
Vinyl chloride ND 200 209 ug/L 104 10 SW846 8260B Vinyl chloride ND 10.0 11.9 ug/L 108 58846 8260B Acetone ND 10.0 11.9 ug/L 194 58846 8260B Acetone ND 10.0 19.4 ug/L 194 58846 8260B Methylene chloride 0.18 10.0 8.99 ug/L 88 58846 8260B Carbon disulfide 0.18 10.0 8.99 ug/L 88 58846 8260B 10 column disulfide 0.28 10.0 17.4 ug/L 27 58846 8260B 10 column disulfide 0.28 10.0 16.6 ug/L 16.5 3.2 58846 8260B 11,1-Dichloroethane MD 10.0 9.71 ug/L 97 58846 8260B 2-Butanone 15	1.4-Dioxane	ND		188	_	94		SW846 8260B
Vinyl chloride	-,	ND		209	_	104	10	SW846 8260B
Acetome ND 10.0 11.9 ug/L 119 9.4 SW846 8260B Call	Vinvl chloride	ND	10.0	10.8	-	108		SW846 8260B
No. 10.0 19.4 19.6 19.4 19.6 1	·			11.9	- ·	119	9.4	SW846 8260B
Note	Acetone	ND	10.0	19.4		194		SW846 8260B
Methylene chloride		Qua			J.			
Nethylene chloride					ug/L	179	7.9	SW846 8260B
Methylene chloride 0.18 10.0 8.99 ug/L 88 SW846 8260B Carbon disulfide 0.28 10.0 17.4 ug/L 171 SW846 8260B Carbon disulfide 0.28 10.0 16.8 ug/L 165 3.2 SW846 8260B Cualifiers: a,N Qualifiers: a,N Cualifiers: a,N Cualifiers: a,N Cualifiers: a,N Cualifiers: a,N SW846 8260B Cualifiers: a,N Unalifiers: a,N SW846 8260B Cualifiers: a,N ND 10.0 9.41 ug/L 94 3.0 SW846 8260B ND 10.0 9.42 ug/L 94 3.0 SW846 8260B Chloroform 15 10.0 22.2 ug/L 12 0.09 SW846 8260B		Qua		a,N	- 27			
Carbon disulfide 0.28 10.0 9.06 ug/L 171 SW846 8260B	Methylene chloride			-	ug/L	88		SW846 8260B
Carbon disulfide 0.28 10.0 17.4 ug/L 171 SW846 8260B Qualifiers: a,N Qualifiers: a,N Qualifiers: a,N 1,1-Dichloroethane ND 10.0 9.71 ug/L 97 SW846 8260B 1,1-Dichloroethane ND 10.0 9.42 ug/L 94 3.0 SW846 8260B 2-Butanone ND 10.0 12.6 ug/L 126 SW846 8260B 2-Butanone ND 10.0 12.6 ug/L 141 11 SW846 8260B Chloroform 15 10.0 22.2 ug/L 72 SW846 8260B Cis-1,2-Dichloroethene ND 10.0 9.37 ug/L 94 SW846 8260B Propionitrile ND 50.0 60.1 ug/L 92 1.4 SW846 8260B trans-1,2-Dichloroethane ND 10.0 9.19 ug/L	,						0.70	SW846 8260B
Cualifiers: a,N 10.0 16.8 ug/L 165 3.2 SW846 8260B Cualifiers: a,N 1,1-Dichloroethane ND 10.0 9.42 ug/L 97 SW846 8260B 826	Carbon disulfide	0.28				171		SW846 8260B
10.0 16.8 ug/L 165 3.2 SW846 8260B Qualifiers: a,N ug/L 97 SW846 8260B ND 10.0 9.71 ug/L 97 SW846 8260B ND 10.0 9.42 ug/L 94 3.0 SW846 8260B SW846 8260B ND 10.0 14.1 ug/L 141 11 SW846 8260B SW846 8260B ND 10.0 14.1 ug/L 141 11 SW846 8260B SW846		Oua		a.N	- J			
Qualifiers: a,N 1,1-Dichloroethane		_		•	ug/L	165	3.2	SW846 8260B
ND					· 3.			
ND	1,1-Dichloroethane	ND	10.0	9.71	ug/L	97		SW846 8260B
ND 10.0 14.1 ug/L 141 11 SW846 8260B	•	ND	10.0	9.42	ug/L	94	3.0	SW846 8260B
Chloroform 15 10.0 22.2 ug/L 72 0.09 SW846 8260B Cis-1,2-Dichloroethene ND 10.0 9.37 ug/L 94 SW846 8260B Propionitrile ND 50.0 52.8 ug/L 106 SW846 8260B Trans-1,2-Dichloroethene ND 10.0 9.19 ug/L 92 SW846 8260B ND 10.0 8.99 ug/L 90 2.2 SW846 8260B 1,1,1-Trichloroethane ND 10.0 8.48 ug/L 85 SW846 8260B 1,2-Dichloroethane ND 10.0 8.19 ug/L 82 3.5 SW846 8260B 1,2-Dichloroethane ND 10.0 9.90 ug/L 99 SW846 8260B Trichloroethane ND 10.0 10.0 9.90 ug/L 99 SW846 8260B Trichloroethane ND 10.0 10.0 9.91 ug/L 99 SW846 8260B Trichloroethene ND 10.0 10.6 ug/L 99 SW846 8260B Trichloroethene ND 10.0 10.2 ug/L 106 SW846 8260B Trichloroethene ND 10.0 21.8 ug/L 96 SW846 8260B Trichloroethene ND 10.0 21.6 ug/L 94 1.0 SW846 8260B	2-Butanone	ND	10.0	12.6	ug/L	126		SW846 8260B
15		ND	10.0	14.1	ug/L	141	11	SW846 8260B
Cis-1,2-Dichloroethene ND 10.0 9.37 ug/L 94 SW846 8260B Propionitrile ND 50.0 52.8 ug/L 106 SW846 8260B Propionitrile ND 50.0 60.1 ug/L 120 13 SW846 8260B ND 50.0 60.1 ug/L 92 SW846 8260B trans-1,2-Dichloroethene ND 10.0 8.99 ug/L 90 2.2 SW846 8260B 1,1,1-Trichloroethane ND 10.0 8.48 ug/L 85 SW846 8260B 1,2-Dichloroethane ND 10.0 8.19 ug/L 82 3.5 SW846 8260B 1,2-Dichloroethane ND 10.0 9.90 ug/L 99 SW846 8260B Benzene ND 10.0 10.6 ug/L 99 .0.13 SW846 8260B Trichloroethene 12 10.0 21.8 ug/L <t< td=""><td>Chloroform</td><td>15</td><td>10.0</td><td>22.2</td><td>ug/L</td><td>72</td><td></td><td>SW846 8260B</td></t<>	Chloroform	15	10.0	22.2	ug/L	72		SW846 8260B
ND 10.0 9.23 ug/L 92 1.4 SW846 8260B		15	10.0	22.2	ug/L	72	0.09	SW846 8260B
ND 10.0 9.23 ug/L 92 1.4 SW846 8260B	cis-1,2-Dichloroethene	ND	10.0	9.37	ug/L	94		SW846 8260B
Propionitrile ND 50.0 52.8 ug/L 106 SW846 8260B trans-1,2-Dichloroethene ND 10.0 9.19 ug/L 92 SW846 8260B 1,1,1-Trichloroethane ND 10.0 8.48 ug/L 85 SW846 8260B 1,2-Dichloroethane ND 10.0 8.19 ug/L 82 3.5 SW846 8260B 1,2-Dichloroethane ND 10.0 9.90 ug/L 99 SW846 8260B Benzene ND 10.0 9.91 ug/L 99 0.13 SW846 8260B Trichloroethene ND 10.0 10.6 ug/L 106 SW846 8260B Trichloroethene 12 10.0 21.8 ug/L 96 SW846 8260B 4-Methyl-2-pentanone ND 10.0 15.5 ug/L 155 SW846 8260B	•	ND	10.0	9.23	ug/L	92	1.4	SW846 8260B
trans-1,2-Dichloroethene ND 10.0 9.19 ug/L 92 5N846 8260B ND 10.0 8.99 ug/L 90 2.2 5N846 8260B 1,1,1-Trichloroethane ND 10.0 8.48 ug/L 85 5W846 8260B 1,2-Dichloroethane ND 10.0 8.19 ug/L 82 3.5 5W846 8260B 1,2-Dichloroethane ND 10.0 9.90 ug/L 99 5W846 8260B ND 10.0 9.91 ug/L 99 .0.13 5W846 8260B Benzene ND 10.0 10.6 ug/L 106 5W846 8260B Trichloroethene 12 10.0 21.8 ug/L 96 5W846 8260B Trichloroethene 12 10.0 21.8 ug/L 96 5W846 8260B 4-Methyl-2-pentanone ND 10.0 15.5 ug/L 155 5W846 8260B	Propionitrile	ND	50.0	52.8	. —:	106		SW846 8260B
ND 10.0 8.99 ug/L 90 2.2 SW846 8260B	•	ND	50.0	60.1	•	120	13	SW846 8260B
ND 10.0 8.99 ug/L 90 2.2 SN846 8260B	trans-1,2-Dichloroethene	ND	10.0	9.19	ug/L	92		SW846 8260B
1,1,1-Trichloroethane ND 10.0 8.48 ug/L 85 SW846 8260B 1,2-Dichloroethane ND 10.0 9.90 ug/L 99 SW846 8260B 1,2-Dichloroethane ND 10.0 9.91 ug/L 99 SW846 8260B Benzene ND 10.0 10.6 ug/L 106 SW846 8260B Trichloroethene 12 10.0 21.8 ug/L 96 SW846 8260B Trichloroethene 12 10.0 21.6 ug/L 94 1.0 SW846 8260B 4-Methyl-2-pentanone ND 10.0 15.5 ug/L 155 SW846 8260B	•	ND	10.0	8.99		90	2.2	SW846 8260B
ND 10.0 8.19 ug/L 82 3.5 SW846 8260B	1.1.1-Trichloroethane	MD	10.0	8.48	ug/L	85		SW846 8260B
ND 10.0 9.91 ug/L 99 .0.13 SW846 8260B		ND	10.0	8.19	-	82	3.5	SW846 8260B
ND 10.0 9.91 ug/L 99 .0.13 SW846 8260B	1,2-Dichloroethane	ND	10.0	9.90	ug/L	99		SW846 8260B
ND 10.0 10.2 ug/L 102 3.8 SW846 8260B Trichloroethene 12 10.0 21.8 ug/L 96 SW846 8260B 12 10.0 21.6 ug/L 94 1.0 SW846 8260B 4-Methyl-2-pentanone ND 10.0 15.5 ug/L 155 SW846 8260B		ND	10.0	9.91		99	0.13	SW846 8260B
Trichloroethene 12 10.0 21.8 ug/L 96 SW846 8260B 12 10.0 21.6 ug/L 94 1.0 SW846 8260B 4-Methyl-2-pentanone ND 10.0 15.5 ug/L 155 SW846 8260B	Benzene	ND	10.0	10.6	ug/L	106	•	SW846 8260B
12 10.0 21.6 ug/L 94 1.0 SW846 8260B 4-Methyl-2-pentanone ND 10.0 15.5 ug/L 155 SW846 8260B		ND		10.2	_	102	3.8	SW846 8260B
12 10.0 21.6 ug/L 94 1.0 SW846 8260B 4-Methyl-2-pentanone ND 10.0 15.5 ug/L 155 SW846 8260B	Trichloroethene	12	10.0	21.8	ug/L	96		SW846 8260B
1.001/1 2 pollourous 10 10 10 10 10 10 10 10 10 10 10 10 10		12	10.0	21.6	- .	94	1.0	SW846 8260B
	4-Methyl-2-pentanone	ND	10.0	15.5	ug/L	155		SW846 8260B
W		Qua	lifiers:		- -			
ND 10.0 15.0 ug/L 150 3.2 SW846 8260B		ND	10.0	15.0	ug/L	150	3.2	SW846 8260B

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL702

Work Order #...: J2VNC1AD-MS

Matrix....: WATER

MS Lot-Sample #: F7G130254-001

J2VNC1AE-MSD

	SAMPLE	SPIKE	MEASRD		PERCNT			
PARAMETER	AMOUNT	AMT	AMOUNT	UNITS	RECVRY	<u>RPD</u>	METHO	D
1 1 0 m-i-bl								
1,1,2-Trichloroethane	ND	10.0	9.45	ug/L	94			8260B
	ND	10.0	9.06	ug/L	91	4.2	SW846	8260B
Tetrachloroethene	0.84	10.0	9.79	ug/L	89		SW846	8260B
	0.84	10.0	9.58	ug/L	87	2.2	SW846	8260B
Tetrahydrofuran	ND	50.0	9.71	ug/L	19 a,N		SW846	8260B
	ND	50.0	13.0	ug/L	26	29	SW846	8260B
	Qua	lifiers:	a,p,N					
1,4-Dichlorobenzene	MD	10.0	8.65	ug/L	86		SW846	8260B
	MED	10.0	8.58	ug/L	86	0.79	SW846	8260B
1-Butanol	ND	100	81.5	ug/L	81		SW846	8260B
	ND	100	77.3	ug/L	77	5.2	SW846	8260B
Toluene	ND	10.0	9.26	ug/L	93		SW846	8260B
	ND	10.0	9.00	ug/L	90	2.8	SW846	
				- J , -				
		PE	RCENT		RECOVERY			
SURROGATE	_	RE	COVERY		LIMITS			
Toluene-d8	_	87			(69 - 119)	_)		
		86			(69 - 119))		
Dibromofluoromethane		52	*		(74 - 134)			
		53			(74 - 134)			
1,2-Dichloroethane-d4		88			(72 - 128)			
		91			(72 - 128)			
4-Bromofluorobenzene		81						
. 210.00414010001120116					(71 - 115)			
		83			(71 - 115)			

NOTE (S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

- a Spiked analyte recovery is outside stated control limits.
- N Spike sample recovery is outside control limits.
- Surrogate recovery is outside stated control limits.
- p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL702 Work Order #...: J2VP11AV-MS

S Matrix..... WATER

MS Lot-Sample #: F7G130260-002

Date Sampled...: 07/12/07

07/12/07 **Date 3**

Date Received.:: 07/13/07 Analysis Date.:: 07/18/07

J2VP11AW-MSD

Prep Batch #...: 07/18/07
Prep Batch #...: 7200651

Dilution Factor: 1

	SAMPLE	SPIKE	MEASRD		PERCNT			
PARAMETER	AMOUNT	AMT	AMOUNT	UNITS	RECVRY	RPD	METHOD	
1,1-Dichloroethene	ND	10.0	9.60	ug/L	96		SW846 8260B	
	ND	10.0	9.08	ug/L	91	5.6	SW846 8260B	
Ethylbenzene	ND	10.0	9.62	ug/L	96		SW846 8260B	
•	ND	10.0	9.04	ug/L	90	6.2	SW846 8260B	
Ethyl acetate	ND	20.0	25.1	ug/L	126		SW846 8260B	
-	ND	20.0	23.0	ug/L	115	8.9	SW846 8260B	
1,4-Dioxane	ND	200	240	ug/L	120		SW846 8260B	
	MD	200	229	ug/L	114	4.8	SW846 8260B	
Vinyl chloride	ND	10.0	11.8	ug/L	118		SW846 8260B	
-	ND	10.0	11.9	ug/L	119	0.16	SW846 8260B	
Acetone	ND	10.0	14.4	ug/L	144		SW846 8260B	
	ND	10.0	13.4	ug/L	134	7.4	SW846 8260B	
Methylene chloride	ND	10.0	9.20	ug/L	92		SW846 8260B	
-	ND	10.0	8.80	ug/L	88	4.4	SW846 8260B	
Carbon disulfide	ND	10.0	18.4	ug/L	184		SW846 8260B	
	Qua	difiers:	a,N					
	ND	10.0	17.5	ug/L	175	5.2	SW846 8260B	
	Qua	difiers:	a,N					
1,1-Dichloroethane	ND	10.0	10.6	ug/L	106		SW846 8260B	
	ND	10.0	9.78	ug/L	98	7.8	SW846 8260B	
2-Butanone	ND	10.0	14.7	ug/L	147		SW846 8260B	
	ND	10.0	14.6	ug/L	146	0.68	SW846 8260B	
Chloroform	2.0	10.0	11.6	ug/L	96		SW846 8260B	
	2.0	10.0	11.1	ug/L	90	5.0	SW846 8260B	
cis-1,2-Dichloroethene	ND	10.0	9.86	ug/L	99		SW846 8260B	
-	ND	10.0	9.42	ug/L	94	4.6	SW846 8260B	
Propionitrile	ND	50.0	59.9	ug/L	120		SW846 8260B	
-	ND	50.0	55.6	ug/L	111	7.5	SW846 8260B	
trans-1,2-Dichloroethene	ND	10.0	9.70	ug/L	97		SW846 8260B	
•	ND	10.0	9.38	ug/L	94	3.4	SW846 8260B	
1,1,1-Trichloroethane	ND	10.0	9.47	ug/L	95		SW846 8260B	
- , -, -, -, -, -, -, -, -, -, -, -, -, -,	ND	10.0	8.88	ug/L	89	6.5	SW846 8260B	
1,2-Dichloroethane	ND	10.0	10.3	ug/L	103		SW846 8260B	
•	ND	10.0	9.88	ug/L	99	4.3	SW846 8260B	
Benzene	ND	10.0	10.8	ug/L	108		SW846 8260B	
	ND	10.0	10.1	ug/L	101	6.1	SW846 8260B	
Trichloroethene	0.55	10.0	10.7	ug/L	102		SW846 8260B	
	0.55	10.0	10.0	ug/L	95	6.6	SW846 8260B	
4-Methyl-2-pentanone	ND	10.0	15.4	ug/L	154		SW846 8260B	
		alifiers:						
	NID NID	10.0	15.6	ug/L	156	1.2	SW846 8260B	

Qualifiers: a,N

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL702

Work Order #...: J2VP11AV-MS

Matrix....: WATER

MS Lot-Sample #: F7G130260-002

J2VP11AW-MSD

	SAMPLE	SPIKE	MEASRD		PERCNT			
PARAMETER	AMOUNT	AMT	AMOUNT	UNITS	RECVRY	RPD	METHO)
				-				
1,1,2-Trichloroethane	ND	10.0	9.85	ug/L	99			8260B
	ND	10.0	9.35	ug/L	93	5.2	SW846	
Tetrachloroethene	ND	10.0	9.08	ug/L	91		SW846	8260B
	ND	10.0	8.57	ug/L	86	5.8	SW846	8260B
Tetrahydrofuran	ND	50.0	57.5	ug/L	115		SW846	8260B
	ND	50.0	57.1	ug/L	114	0.78	SW846	8260B
1,4-Dichlorobenzene	ND	10.0	8.78	ug/L	88		SW846	8260B
	ND	10.0	8.62	ug/L	86	1.7	SW846	8260B
1-Butanol	ND	100	79.4	ug/L	79		SW846	8260B
	ND	100	59.7	ug/L	60 p	28	SW846	8260B
Toluene	ND	10.0	9.39	ug/L	94		SW846	8260B
	ND	10.0	8.98	ug/L	90	4.4	SW846	8260B
		F	ERCENT		RECOVERY			
SURROGATE		_	ECOVERY		LIMITS			•
Toluene-d8		_	7		(69 - 119)	<u> </u>		
		-	6		(69 - 119)	•		
Dibromofluoromethane		-	0		(74 - 134)	•		
		9	0		(74 - 134))		
1,2-Dichloroethane-d4		9	3		(72 ~ 128))		
•		9	2		(72 - 128))		
4-Bromofluorobenzene		8	1		(71 - 115))		
	٠	8	3		(71 - 115))		

NOTE (S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

a Spiked analyte recovery is outside stated control limits.

N Spike sample recovery is outside control limits.

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL702 Work Order #...: J22LM1AJ-MS Matrix.....: WATER

MS Lot-Sample #: F7G170250-002

J22LM1AK-MSD

Date Sampled...: 07/16/07

Date Received..: 07/17/07

Prep Date....: 07/20/07

Analysis Date..: 07/20/07

Prep Batch #...: 7205211 Dilution Factor: 10

	SAMPLE	SPIKE	MEASRD		PERCNT		
PARAMETER	AMOUNT	AMT	AMOUNT	UNITS	RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	100	39.6	ug/L	40		SW846 8260B
	ND	100	107	ug/L	107 p	92	SW846 8260B
Rthylbenzene	ND	100	66.9	ug/L	67		SW846 8260B
	ND	100	113	ug/L	113 p	51	SW846 8260B
1,4-Dioxane	ND	2000	1580	ug/L	79		SW846 8260B
	ND	2000	1690	ug/L	84	6.4	SW846 8260B
Vinyl chloride	ND	100	89.5	ug/L	90		SW846 8260B
	NED	100	116	ug/L	116 p	25	SW846 8260B
Acetone	ND	100	132	ug/L	132		SW846 8260B
	ND	100	132	ug/L	1.32	0.0	SW846 8260B
Methylene chloride	5.7	100	82.9	ug/L	77		SW846 8260B
	5.7	100	105	ug/L	99 p	24	SW846 8260B
Carbon disulfide	ND	100	57.0	ug/L	57		SW846 8260B
	ND	100	139	ug/L	139 p	84	SW846 8260B
1,1-Dichloroethane	ND	100	72.6	ug/L	73		SW846 8260B
	ND	100	116	ug/L	116 p	46	SW846 8260B
2-Butanone	ND	100	128	ug/L	128		SW846 8260B
	ND	100	128	ug/L	128	0.31	SW846 8260B
Chloroform	ND	100	71.4	ug/L	71		SW846 8260B
	ND	100	104	ug/L	104 p	37	SW846 8260B
cis-1,2-Dichloroethene	ND	100	76.7	ug/L	77		SW846 8260B
	ND	100	107	ug/L	107 p	33	SW846 8260B
Propionitrile	ND	500	475	ug/L	95		SW846 8260B
	ND	500	477	ug/L	95	0.44	SW846 8260B
trans-1,2-Dichloroethene	ND	100	59.6	ug/L	60 a,N		SW846 8260B
	ND	100	111	ug/L	111 p	61	SW846 8260B
1,1,1-Trichloroethane	NID	100	46.9	ug/L	47 a,N		SW846 8260B
	NTD	100	104	ug/L	104 p	76	SW846 8260B
Carbon tetrachloride	75	100	102	ug/L	27 a,N		SW846 8260B
	75	100	151	ug/L	76 p	39	SW846 8260B
1,2-Dichloroethane	ND	100	99.6	ug/L	100		SW846 8260B
	ND	100	110	ug/L	110	10	SW846 8260B
Benzene	ND	100	74.6	ug/L	75		SW846 8260B
	ND	100	116	ug/L	116 p	43	SW846 8260B
Trichloroethene	1.9	100	63.5	ug/L	62		SW846 8260B
	1.9	100	112	ug/L	110 p	56	SW846 8260B
4-Methyl-2-pentanone	ND	100	132	ug/L	132		SW846 8260B
	ND	100	140	ug/L	140	5.9	SW846 8260B
1,1,2-Trichloroethane	ND	100	101	ug/L	101		SW846 8260B
	ND	100	105	ug/L	105	4.3	SW846 8260B

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL702

Work Order #...: J22LM1AJ-MS

Matrix..... WATER

MS Lot-Sample #: F7G170250-002

J22LM1AK-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNI RECVRY		METHO	<u> </u>
Tetrachloroethene	ND	100	54.5	ug/L	54			8260B
	ND	100	112	ug/L	112 p	69		8260B
Tetrahydrofuran	ND	500	394	ug/L	79			8260B
	ND	500	439	ug/L	88	11	SW846	8260B
1,4-Dichlorobenzene	ND	100	85.4	ug/L	85			8260B
	MD	100	106	ug/L	106 p	22	SW846	8260B
1-Butanol	ND	1000	516	ug/L	52		SW846	8260B
	ND	1000	456	ug/L	46	12	SW846	8260B
Toluene	ND	100	69.6	ug/L	70		SW846	8260B
	ND	100	110	ug/L	110 p	45	SW846	8260B
		PE	RCENT		RECOVERY			
SURROGATE		RE	COVERY		LIMITS			
Toluene-d8	_	10	2		(69 - 119)		
		10	2		(69 - 119))		
Dibromofluoromethane		99	•		(74 - 134	i)		
		99	•		(74 - 134	1)		
1,2-Dichloroethane-d4		98	3		(72 - 128	3)		
•		96	5		(72 - 128	3)		
4-Bromofluorobenzene		84	l .		(71 - 115	5)		
		87	7		(71 - 115	5)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

p Relative percent difference (RPD) is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

N Spike sample recovery is outside control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL702 Work Order #...: J271P1AN-MS Matrix.....: WATER

MS Lot-Sample #: F7G190478-003 J271P1AP-MSD

Prep Batch #...: 7205220

Dilution Factor: 1

	SAMPLE	SPIKE	MEASRD		PERCNT		
PARAMETER	AMOUNT	TMA	AMOUNT	UNITS	RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	9.50	ug/L	95		SW846 8260B
	ND	10.0	9.23	ug/L	92	2.9	SW846 8260B
Ethylbenzene	NID	10.0	9.61	ug/L	96		SW846 8260B
	ND	10.0	9.40	ug/L	94	2.3	SW846 8260B
1,4-Dioxane	ND	200	162	ug/L	81		SW846 8260B
	ND	200	168	ug/L	84	3.4	SW846 8260B
Vinyl chloride	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	10.7	ug/L	107	1.7	SW846 8260B
Acetone	MD	10.0	11.0	ug/L	110		SW846 8260B
	ND	10.0	11.1	ug/L	111	0.99	SW846 8260B
Methylene chloride	MD	10.0	9.14	ug/L	91		SW846 8260B
	ND	10.0	8.79	ug/L	88	4.0	SW846 B260B
Carbon disulfide	ND	10.0	9.45	ug/L	94		SW846 B260B
	ND	10.0	9.39	ug/L	94	0.62	SW846 8260B
1,1-Dichloroethane	ND	10.0	10.4	ug/L	104		SW846 8260B
	ND	10.0	10.3	ug/L	103	0.96	SW846 8260B
2-Butanone	ND	10.0	11.2	ug/L	112		SW846 8260B
	ND	10.0	11.4	ug/L	114	1.2	SN846 8260B
Chloroform	0.20	10.0	10.5	ug/L	103		SW846 8260B
	0.20	10.0	10.5	ug/L	103	0.19	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	9.97	ug/L	100		SW846 8260B
	ND	10.0	9.80	ug/L	98	1.7	SW846 8260B
Propionitrile	ND	50.0	50.4	ug/L	101		SW846 8260B
	ND	50.0	48.2	ug/L	96	4.6	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	9.96	ug/L	100		SW846 8260B
	ND	10.0	9.64	ug/L	96	3.2	SW846 8260B
1,1,1-Trichloroethane	NID	10.0	10.6	ug/L	106		SW846 8260B
	NID	10.0	10.5	ug/L	105	0.38	SW846 8260B
Carbon tetrachloride	0.22	10.0	11.1	ug/L	109		SW846 8260B
	0.22	10.0	10.9	ug/L	107	2.3	SW846 8260B
1,2-Dichloroethane	ND	10.0	11.3	ug/L	113		SW846 8260B
	ND	10.0	11.0	ug/L	110	2.3	SW846 8260B
Benzene	ND	10.0	9.78	ug/L	98		SW846 8260B
•,	ND	10.0	9.56	ug/L	96	2.2	SW846 B260B
Trichloroethene	1.5	10.0	12.0	ug/L	105		SW846 B260B
	1.5	10.0	11.8	ug/L	104	1.1	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	11.5	ug/L	115		SW846 8260B
	ND	10.0	11.0	ug/L	110	5.1	SW846 8260B
1,1,2-Trichloroethane	ND	10.0	9.75	ug/L	97		SW846 8260B
	ND	10.0	9.25	ug/L	92	5.3	SW846 8260B

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL702 Work Order #...: J271PlAN-MS

Matrix....: WATER

MS Lot-Sample #: F7G190478-003

J271P1AP-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCN RECVR	-	METHO	D
Tetrachloroethene	0.37	10.0	10.3	ug/L	100		SW846	8260B
	0.37	10.0	9.78	ug/L	94	5.3	SW846	8260B
Tetrahydrofuran	ND	50.0	52.5	ug/L	105		SW846	8260B
	ND	50.0	50.1	ug/L	100	4.7	SW846	8260B
1,4-Dichlorobenzene	ND	10.0	9.25	ug/L	92		SW846	8260B
	ND	10.0	8.91	ug/L	89	3.7	SW846	8260B
1-Butanol	ND	100	90.3	ug/L	90		SW846	8260B
	ND	100	100	ug/L	100	10	SW846	8260B
Toluene	ND	10.0	9.38	ug/L	94		SW846	8260B
	ND	10.0	9.22	ug/L	92	1.6	SW846	8260B
		P	ERCENT		RECOVERY			
SURROGATE		R	ECOVERY		LIMITS			
Toluene-d8	•	9	7		(69 - 11	9)		
		9	8		(69 - 11	•		
Dibromofluoromethane		1	07		(74 - 13	•		
		_	07		(74 - 13	- •		
1,2-Dichloroethane-d4		-	11		(72 - 12	-		
•			12		(72 - 12)	•		
4-Bromofluorobenzene		9			(72 - 12)			
		9			(71 - 11)			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL702

Work Order #...: J3TEC1AD-MS

Matrix..... WATER

MS Lot-Sample #: F7G280201-001

Date Received..: 07/28/07

J3TEC1AE-MSD

Date Sampled...: 07/27/07 Prep Date..... 08/01/07

Analysis Date..: 08/01/07

Prep Batch #...: 7215157

Dilution Factor: 1

	SAMPLE	SPIKE	MEASRD		PERCNT		
PARAMETER	TRUOMA	AMT	AMOUNT	UNITS	RECVRY	RPD	METHOD
1,1-Dichloroethene	ND	10.0	9.69	ug/L	97		SW846 8260B
_,	ND	10.0	9.73	ug/L	97	0.35	SW846 8260B
Rthylbenzene	ND	10.0	9.93	ug/L	99		SW846 8260B
	ND	10.0	10.1	ug/L	101	1.4	SW846 8260B
1,4-Dioxane	ND	200	180	ug/L	90		SW846 8260B
•	ND	200	202	ug/L	101	12	SW846 8260B
Vinyl chloride	ND	10.0	9.81	ug/L	98		SW846 8260B
-	ND	10.0	9.70	uq/L	97	1.1	SW846 8260B
Acetone	ND	10.0	10.5	ug/L	105		SW846 8260B
	ND	10.0	9.60	ug/L	96	9.3	SW846 8260B
Methylene chloride	ND	10.0	9.70	ug/L	97		SW846 8260B
-	ND	10.0	9.74	ug/L	97	0.43	SW846 8260B
Carbon disulfide	ND	10.0	8.88	ug/L	89		SW846 8260B
	ND	10.0	9.40	ug/L	94	5.7	SW846 8260B
1,1-Dichloroethane	ND	10.0	11.5	ug/L	115		SW846 8260B
	ND	10.0	11.4	ug/L	114	0.26	SW846 8260B
2-Butanone	ND	10.0	11.4	ug/L	114		SW846 8260B
	ND	10.0	11.8	ug/L	118	2.9	SW846 8260B
Chloroform	ND	10.0	11.6	ug/L	116		SW846 8260B
	ND	10.0	11.5	ug/L	115	0.86	SW846 8260B
cis-1,2-Dichloroethene	ND	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.3	ug/L	103	0.38	SW846 8260B
Propionitrile	ND	50.0	49.9	ug/L	100		SW846 8260B
	ND	50.0	51.2	ug/L	102	2.5	SW846 8260B
trans-1,2-Dichloroethene	ND	10.0	10.2	ug/L	102		SW846 8260B
	ND	10.0	10.4	ug/L	104	1.6	SW846 8260B
1,1,1-Trichloroethane	ND	10.0	11.7	ug/L	117		SW846 B260B
	ND	10.0	11.9	ug/L	119	1.7	SW846 8260B
Carbon tetrachloride	ND	10.0	12.1	ug/L	121		SW846 8260B
	ND	10.0	12.1	ug/L	121	0.24	SW846 8260B
1,2-Dichloroethane	ND	10.0	12.8	ug/L	128		SW846 8260B
	ND	10.0	12.8	ug/L	128	0.39	SW846 8260B
Benzene	ND	10.0	10.7	ug/L	107		SW846 8260B
	ND	10.0	10.8	ug/L	108	0.37	SW846 8260B
Trichloroethene	1.1	10.0	12.2	ug/L	111		SW846 8260B
	1.1	10.0	12.2	ug/L	111	0.40	SW846 8260B
4-Methyl-2-pentanone	ND	10.0	10.0	ug/L	100		SW846 8260B
	ND	10.0	10.8	ug/L	108	7.0	SW846 8260B
1,1,2-Trichloroethane	MD	10.0	10.3	ug/L	103		SW846 8260B
	ND	10.0	10.4	ug/L	104	0.38	SW846 8260B
·							

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: SL702

Work Order #...: J3TEC1AD-MS

Matrix....: WATER

MS Lot-Sample #: F7G280201-001

J3TEC1AE-MSD

	SAMPLE	SPIKE	MEASRD		PERCNT			
PARAMETER	AMOUNT	AMT	AMOUNT	UNITS	RECVRY	RPD	METHO	<u> </u>
Tetrachloroethene	ND	10.0	9.67	ug/L	97		SW846	8260B
	NID	10.0	9.86	ug/L	99	1.9	SW846	8260B
Tetrahydrofuran	ND	50.0	51.5	ug/L	103		SWB46	B260B
	ND	50.0	53.5	ug/L	107	3.8	SW846	8260B
1,4-Dichlorobenzene	ND	10.0	9.28	ug/L	93		SW846	8260B
	ND	10.0	9.62	ug/L	96	3.6	SW846	8260B
1-Butanol	ND	100	120	ug/L	120		SW846	8260B
	ND	100	118	ug/L	118	1.4	SW846	8260B
Toluene	ND	10.0	9.71	ug/L	97		SW846	8260B
	ND	10.0	9.88	ug/L	99	1.8	SW846	8260B
		P	ercent		RECOVERY			
SURROGATE		<u>R</u> :	ECOVERY		LIMITS	_		
Toluene-d8		9	0		(69 - 119)		
		9	0		(69 - 119)		
Dibromofluoromethane		1	01		(74 - 134)		
		ı	01		(74 - 134)		
1,2-Dichloroethane-d4		ı	12		(72 - 128)		
		1	11		(72 - 128	}		
4-Bromofluorobenzene		9	1		(71 - 115)		
		9	4		(71 - 115)		

note (S)

Calculations are performed before rounding to avoid round-off errors in calculated results.

GC/MS SEMIVOLATILES

Fluor Hanford Inc

Client Sample ID: B1NHC1

GC/MS Semivolatiles

Lot-Sample #...: F7G130260-002 Work Order #...: J2VP11AF

Matrix..... WATER

Date Sampled...: 07/12/07 Prep Date....: 07/18/07

Date Received..: 07/13/07 Analysis Date..: 07/20/07

Prep Batch #...: 7199144

Dilution Factor: 1

Method.....: SW846 8270C

		REPORTIN	G		
PARAMETER	RESULT	LIMIT	UNITS	MDL	
Cresols (total)	ND	20	ug/L	3.2	
3-Methylphenol &	ND	10	ug/L	1.2	
4-Methylphenol					
2-Picoline	ND	20	ug/L	5.5	
Phenol	ND	10	ug/L	4.0	
1,4-Dichlorobenzene	ND	10	ug/L	1.0	
2-Methylphenol	ND	10	ug/L	2.0	
2-Nitrophenol	ND	10	ug/L	1.0	
2,4-Dichlorophenol	ND	10	ug/L	1.0	
Naphthalene	ND	10	ug/L	1.0	
Pentachlorophenol	ND	50	ug/L	2.0	
bis(2-Ethylhexyl)	ND	10	ug/L	1.0	
phthalate					
Benzothiazole	ND	10	ug/L	1.0	
Tributyl phosphate	ND	10	ug/L	1.1	
Tris(2-chloroethyl)phosphate	ND	10	ug/L	1.2	

•	PERCENT	RECOVERY
SURROGATE	RECOVERY	LIMITS
2-Fluorophenol	38	(26 - 74)
Phenol-d5	26	(18 - 86)
Nitrobenzene-d5	66	(39 - 94)
2-Fluorobiphenyl	59	(42 - 95)
2,4,6-Tribromophenol	78	(49 - 96)
Terphenyl-d14	76	(31 - 104)

STL ST. LOUIS RECEIVED AUGUST 24, 2007

Fluor Hanford Inc

B1NHC1

GC/MS Semivolatiles

Lot-Sample #: F7G130260-002 Work Order #: J2VP11AF

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

ESTIMATED RETENTION

PARAMETER CAS # RESULT ug/L None

Fluor Hanford Inc

Client Sample ID: BINL80

GC/MS Semivolatiles

Lot-Sample #...: F7G190478-003 Work Order #...: J271P1AC

Matrix..... WATER

Date Sampled...: 07/18/07

Date Received..: 07/19/07

(31 - 104)

Prep Date....: 07/23/07

Analysis Date..: 07/27/07

Prep Batch #...: 7204251

Dilution Factor: 1

Terphenyl-d14

Method....: SW846 8270C

		REPORTIN	īG	
PARAMETER	RESULT	LIMIT	UNITS	MDL
3-Methylphenol &	ND	10	ug/L	1.2
4-Methylphenol				
2-Picoline	ND	20	ug/L	5.5
Phenol	ND	10	ug/L	4.0
1,4-Dichlorobenzene	ND	10	ug/L	1.0
2-Methylphenol	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	1.0
2,4-Dichlorophenol	ND	10	ug/L	1.0
Naphthalene	ND	10	ug/L	1.0
Pentachlorophenol	ND	50	ug/L	2.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.0
Benzothiazole	ND	10	ug/L	1.0
Tributyl phosphate	ND	10	ug/L	1.1
Tris(2-chloroethyl)phosphate	ND	10	ug/L	1.2
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
2-Fluorophenol	32	(26 - 74	L)	
Phenol-d5	21	(18 - 86	5)	
Nitrobenzene-d5	57	(39 - 94	1)	
2-Fluorobiphenyl	55	(42 - 95	5)	
2,4,6-Tribromophenol	73	(49 - 96	5 }	

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Fluor Hanford Inc

B1NL80

GC/MS Semivolatiles

Lot-Sample #: F7G190478-003

Work Order #: J271P1AC

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

ESTIMATED RETENTION

PARAMETER CAS # RESULT TIME UNITS
None ug/L

Fluor Hanford Inc

Client Sample ID: B1NL76

GC/MS Semivolatiles

Lot-Sample #...: F7G190478-005 Work Order #...: J271V1AC

Matrix..... WATER

Date Sampled...: 07/18/07 **Prep Date....:** 07/23/07

Date Received..: 07/19/07 Analysis Date..: 07/27/07

Prep Batch #...: 7204251

Dilution Factor: 1

Method.....: SW846 8270C

		REPORTIN		
PARAMETER	RESULT	LIMIT	UNITS	MDL
3-Methylphenol &	ND	10	ug/L	1.2
4-Methylphenol				
2-Picoline	ND	20	ug/L	5.5
Phenol	ND	10	ug/L	4.0
1,4-Dichlorobenzene	ND	10	ug/L	1.0
2-Methylphenol	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	1.0
2,4-Dichlorophenol	ND	10	ug/L	1.0
Naphthalene	ND	10	ug/L	1.0
Pentachlorophenol	ND	50	ug/L	2.0
bis(2-Ethylhexyl)	ND	10	ug/L	1.0
phthalate				
Benzothiazole	ND	10	ug/L	1.0
Tributyl phosphate	ND	10	ug/L	1.1
Tris(2-chloroethyl)phosphate	ND	10	ug/L	1.2
	PERCENT	RECOVERY	?	
SURROGATE	RECOVERY	LIMITS		
2-Fluorophenol	30	(26 - 74	.)	
Phenol-d5	20	(18 - 86	5)	
Nitrobenzene-d5	55	(39 - 94	.)	
2-Fluorobiphenyl	52	(42 - 95	;)	
2,4,6-Tribromophenol	66	(49 - 96	5)	
Terphenyl-d14	67	(31 - 10		

Fluor Hanford Inc

B1NL76

GC/MS Semivolatiles

Lot-Sample #: F7G190478-005

Work Order #: J271V1AC

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

ESTIMATED RETENTION

PARAMETER CAS # RESULT TIME UNITS

None ug/L

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: SL702

Work Order #...: J254D1AA

Matrix....: WATER

MB Lot-Sample #: F7G180000-144

Analysis Date..: 07/20/07 Prep Batch

Dilution Factor: 1

Prep Date....: 07/18/07 Prep Batch #...: 7199144

		REPORTI	NG	
PARAMETER	RESULT	LIMIT	UNITS	METHOD
Cresols (total)	ND	20	ug/L	SW846 8270C
3-Methylphenol &	ND	10	ug/L	SW846 8270C
4-Methylphenol				
2-Picoline	ND	20	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
bis(2-Ethylhexyl)	ND	10	ug/L	SWB46 8270C
phthalate				
Benzothiazole	ND	10	ug/L	SW846 8270C
Tributyl phosphate	ND	10	ug/L	SW846 8270C
Tris(2-chloroethyl)phosph	ND	10	ug/L	SW846 8270C
	PERCENT	RECOVER'	Y	
SURROGATE	RECOVERY	LIMITS		
2-Fluorophenol	38	(26 - 7	4)	
Phenol-d5	27	(18 - 8	6)	
Nitrobenzene-d5	66	(39 - 9	4)	
2-Fluorobiphenyl	65	(42 - 9	5)	
2,4,6-Tribromophenol	78	(49 - 9	6)	
Terphenyl-d14	77	(31 - 1	04)	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Fluor Hanford Inc

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: F7G180000-144 B Work Order #: J254D1AA

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

ESTIMATED RETENTION

PARAMETER CAS # RESULT TIME UNITS
None ug/L

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: SL702

Work Order #...: J3E541AA

Matrix....: WATER

MB Lot-Sample #: F7G230000-251

Prep Date....: 07/23/07

Analysis Date..: 07/27/07

Prep Batch #...: 7204251

Dilution Factor: 1

KEPOKITNG	
T.TMTT	

PARAMETER	RESULT	LIMIT	UNITS	METHOD
3-Methylphenol &	ND	10	ug/L	SW846 8270C
4-Methylphenol			_	
2-Picoline	ND	20	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
bis(2-Ethylhexyl)	ND	10	ug/L	SW846 8270C
phthalate				
Benzothiazole	ND	10	ug/L	SW846 8270C
Tributyl phosphate	ND	10	ug/L	SW846 8270C
Tris(2-chloroethyl)phosph	ND	10	ug/L	SW846 8270C
	PERCENT	RECOVERY	?	
SURROGATE	RECOVERY	LIMITS		
2-Fluorophenol	35	(26 - 74	1)	
Phenol-d5	24	(18 - 86	5)	
Nitrobenzene-d5	60	(39 - 94	1)	
2-Fluorobiphenyl	55	(42 - 95	5)	
2.4.6-Tribromophenol	71	149 - 96	5)	

		-1000-10011
SURROGATE	RECOVERY	LIMITS
2-Fluorophenol	35	(26 - 74)
Phenol-d5	24	(18 - 86)
Nitrobenzene-d5	60	(39 - 94)
2-Fluorobiphenyl	55	(42 - 95)
2,4,6-Tribromophenol	71	(49 - 96)
Terphenyl-d14	80	(31 - 104)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Fluor Hanford Inc

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: F7G230000-251 B Work Order #: J3E541AA

Matrix: WATER

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

ESTIMATED RETENTION

PARAMETER CAS # RESULT TIME UNITS
None ug/L

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: SL702

Work Order #...: J254D1AC

Matrix..... WATER

LCS Lot-Sample#: F7G180000-144

Prep Date....: 07/18/07

Analysis Date..: 07/20/07

Prep Batch #...: 7199144

Dilution Factor: 1

	SPIKE	MEASURED		PERCENT	
PARAMETER	AMOUNT	AMOUNT	UNITS	RECOVERY	METHOD
3-Methylphenol &	100	53.1	ug/L	53	SW846 8270C
4-Methylphenol					
Phenol	100	28.0	ug/L	28	SW846 8270C
1,4-Dichlorobenzene	100	47.9	ug/L	48	SW846 8270C
2-Methylphenol	100	56.2	ug/L	56	SW846 8270C
2-Nitrophenol	100	71.2	ug/L	71	SW846 8270C
2,4-Dichlorophenol	100	69.6	ug/L	70	SW846 8270C
Naphthalene	100	57.6	ug/L	58	SW846 8270C
Pentachlorophenol	100	62.5	ug/L	62	SW846 8270C
bis(2-Ethylhexyl)	100	70.3	ug/L	70	SW846 8270C
phthalate					

	PERCENT	RECOVERY
SURROGATE	RECOVERY	LIMITS
2-Fluorophenol	39	(26 - 67)
Phenol-d5	28	(19 - 45)
Nitrobenzene-d5	67	(45 - 96)
2-Fluorobiphenyl	68	(50 - 100)
2,4,6-Tribromophenol	82	(55 - 103)
Terphenyl-d14	77	(40 - 106)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

186 of 312

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: SL702

Work Order #...: J3E541AC

Matrix....: WATER

LCS Lot-Sample#: F7G230000-251

Prep Date....: 07/23/07

Analysis Date..: 07/27/07

Prep Batch #...: 7204251

Dilution Factor: 1

	SPIKE	MEASURED		PERCENT	
PARAMETER	AMOUNT	AMOUNT	UNITS	RECOVERY	METHOD
3-Methylphenol &	100	57.7	ug/L	58	SWB46 8270C
4-Methylphenol					
Phenol	100	32.5	ug/L	32	SW846 8270C
1.4-Dichlorobenzene	100	53.5	ug/L	53	SW846 8270C
2-Methylphenol	100	61.0	ug/L	61	SW846 8270C
2-Nitrophenol	100	74.4	ug/L	74	SW846 8270C
2,4-Dichlorophenol	100	73.1	ug/L	73	SW846 8270C
Naphthalene	100	63.1	ug/L	63	SW846 8270C
Pentachlorophenol	100	66.1	ug/L	66	SW846 8270C
bis(2-Ethylhexyl)	100	80.5	ug/L	80	SW846 8270C
phthalate					

	PERCENT	RECOVERY
SURROGATE	RECOVERY	LIMITS
2-Fluorophenol	46	(26 - 67)
Phenol-d5	33	(19 - 45)
Nitrobenzene-d5	72	(45 - 96)
2-Fluorobiphenyl	73	(50 - 100)
2,4,6-Tribromophenol	91	(55 - 103)
Terphenyl-d14	85	(40 - 106)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: SL702

Work Order #...: J2VP11AT-MS

Matrix..... WATER

MS Lot-Sample #: F7G130260-002

Date Sampled...: 07/12/07

Date Received..: 07/13/07

J2VP11AU-MSD

Prep Date....: 07/18/07

Analysis Date..: 07/20/07

Prep Batch #...: 7199144

Dilution Factor: 1

	SAMPLE	SPIKE	MEASRD		PERCNT			
PARAMETER	AMOUNT	AMT	AMOUNT	UNITS	RECVRY	RPD	METHOI	
3-Methylphenol €	ND	96.6	51.6	ug/L	53		SW846	8270C
4-Methylphenol								
	ND	96.2	52.0	ug/L	54	0.86	SW846	8270C
Phenol	ND	96.6	26.6	ug/L	27		SW846	8270C
	ND	96.2	26.9	ug/L	28	1.1	5 W 846	8270C
1,4-Dichlorobenzene	ND	96.6	50.0	ug/L	52		SW846	8270C
•	ND	96.2	48.4	ug/L	50	3.3	SW846	8270C
2-Methylphenol	ND	96.6	55.0	ug/L	57		SW846	8270C
	ND	96.2	55.5	ug/L	58	0.92	SW846	8270C
2-Nitrophenol	ND	96.6	71.4	ug/L	74		SW846	8270C
-	ND	96.2	71.0	ug/L	74	0.67	SW846	8270C
2,4-Dichlorophenol	ND	96.6	69.7	ug/L	72		SW846	8270C
•	ND	96.2	69.3	ug/L	72	0.64	SW846	8270C
Naphthalene	ND	96.6	59.8	ug/L	62		SW846	8270C
	ND	96.2	61.3	ug/L	64	2.5	SW846	8270C
Pentachlorophenol	NID	96.6	63.8	ug/L	66		SW846	8270C
-	ND	96.2	62.4	ug/L	65	2.2	SW846	8270C
bis(2-Ethylhexyl) phthalate	NID	96.6	69.1	ug/L	71		SW846	8270C
-	MD	96.2	67.8	ug/L	70	1.9	SW846	8270C

	PERCENT	RECOVERY
SURROGATE	RECOVERY	LIMITS
2-Fluorophenol	39	(26 - 74)
	41	(26 - 74)
Phenol-d5	27	(18 - 86)
	28	(18 - 86)
Nitrobenzene-d5	69	(39 - 94)
•	70	(39 - 94)
2-Fluorobiphenyl	69	(42 - 95)
	67	(42 - 95)
2,4,6-Tribromophenol	85	(49 - 96)
	83	(49 - 96)
Terphenyl-d14	77	(31 - 104)
	77	(31 - 104)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: SL702

Work Order #...: J271P1AL-MS

Matrix....: WATER

MS Lot-Sample #: F7G190478-003

J271P1AM-MSD

Date Sampled...: 07/18/07

Date Received.: 07/19/07 Analysis Date.: 07/27/07

Prep Date....: 07/23/07

Prep Batch #...: 7204251

Dilution Factor: 1

	SAMPLE	SPIKE	MEASRD		PERCNT		
PARAMETER	AMOUNT	AMT	TRUOMA	UNITS	RECVRY	RPD	METHOD
3-Methylphenol & 4-Methylphenol	NID	95.3	46.9	ug/L	49		SW846 8270C
	ND	95.4	49.8	ug/L	52	5.9	SW846 8270C
Phenol	NID	95.3	24.2	ug/L	25		SW846 8270C
	ND	95.4	25.5	ug/L	27	5.4	SW846 8270C
1,4-Dichlorobenzene	ND	95.3	47.2	ug/L	50		SW846 8270C
	ND	95.4	50.0	ug/L	52	5.8	SW846 8270C
2-Methylphenol	ND	95.3	50.1	ug/L	53		SW846 8270C
	ND	95.4	53.0	ug/L	56	5.7	SW846 8270C
2-Nitrophenol	MD	95.3	63.8	ug/L	67		SW846 8270C
	ND	95.4	69.6	ug/L	73	8.6	SW846 8270C
2,4-Dichlorophenol	ND	95.3	62.2	ug/L	65		SW846 8270C
_	ND	95.4	67.2	ug/L	71	7.7	SW846 B270C
Naphthalene	ND	95.3	53.7	ug/L	56		SW846 8270C
	ND	95.4	58.5	ug/L	61	8.6	SW846 8270C
Pentachlorophenol	ND	95.3	60.1	ug/L	63		SW846 8270C
_	ND	95.4	69.5	ug/L	73	15	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	95.3	69.4	ug/L	73		SW846 8270C
-	ND	95.4	77.7	ug/L	82	11	SW846 8270C
		וסו	ERCENT		RECOVERY		
		P	BRCENT		RECOVERY		

	PERCENT	RECOVERY
SURROGATE	RECOVERY	LIMITS
2-Fluorophenol	38	(26 - 74)
	40	(26 - 74)
Phenol-d5	26	(18 - 86)
	27	(18 - 86)
Nitrobenzene-d5	65	(39 - 94)
	70	(39 - 94)
2-Fluorobiphenyl	65	(42 - 95)
	71	(42 - 95)
2,4,6-Tribromophenol	. 84	(49 - 96)
	95	(49 - 96)
Terphenyl-d14	75	(31 - 104)
	85	(31 - 104)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

PHENOLS BY GC

SDG# SL702 190 of 312

Fluor Hanford Inc

Client Sample ID: B1NY25

GC Semivolatiles

Lot-Sample #...: F7G170250-002 Work Order #...: J22LM1AC Matrix.....: WATER

 Date Sampled...:
 07/16/07
 Date Received..:
 07/17/07

 Prep Date....:
 07/23/07
 Analysis Date...:
 08/01/07

Prep Batch #...: 7204174

Dilution Factor: 1 Method.....: SW846 8040A

		REPORTIN	IG	
PARAMETER	RESULT	LIMIT	UNITS	MDL
2-Chlorophenol	ND	5.0	ug/L	2.2
4-Chloro-3-methylphenol	ND	5.0	ug/L	2.4
3-Methylphenol &	ND	5.0	ug/L	2.2
4-Methylphenol				
2-Methylphenol	ND	5.0	ug/L	2.2
2,4-Dichlorophenol	ND ·	5.0	ug/L	2.1
2,6-Dichlorophenol	ND	5.0	ug/L	2.1
2,4-Dimethylphenol	ND	5.0	ug/L	2.1
2,4-Dinitrophenol	ND	5.0	ug/L	2.4
4,6-Dinitro-	ND	5.0	ug/L	2.2
2-methylphenol				
Dinoseb	ND	5.0	ug/L	2.4
2-Nitrophenol	ND	5.0	ug/L	2.3
4-Nitrophenol	ND	5.0	ug/L	2.2
Pentachlorophenol	ND	5.0	ug/L	2.4
Phenol	ND	5.0	ug/L	2.3
2,3,4,6-Tetrachlorophenol	ND	5.0	ug/L	2.0
2,4,5-Trichloro-	ND	5.0	ug/L	2.2
phenol				
2,4,6-Trichloro-	ND	5.0	ug/L	2.2
phenol				
	PERCENT	RECOVERY	7	
SURROGATE	RECOVERY	LIMITS		
2,4,6-Tribromophenol		(44 - 11	.0)	
2-Fluorophenol	80	(37 - 96	;)	

SDG# SL702 191 of 312

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: SL702

Work Order #...: J3DWM1AA

Matrix....: WATER

MB Lot-Sample #: F7G230000-174

Prep Date....: 07/23/07 Prep Batch #...: 7204174

Analysis Date..: 08/01/07

Dilution Factor: 1

REPORTING

		REPORTI	NG	
PARAMETER	RESULT	LIMIT	UNITS	METHOD
2-Chlorophenol	ND	5.0	ug/L	SW846 8040A
4-Chloro-3-methylphenol	ND	5.0	ug/L	SW846 8040A
3-Methylphenol & 4-Methylphenol	ND	5.0	ug/L	SW846 8040A
2-Methylphenol	ND	5.0	ug/L	SW846 8040A
2,4-Dichlorophenol	ND	5.0	ug/L	SW846 8040A
2,6-Dichlorophenol	ND	5.0	ug/L	SW846 8040A
2,4-Dimethylphenol	ND	5.0	ug/L	SW846 8040A
2,4-Dinitrophenol	ND	5.0	ug/L	SW846 8040A
4,6-Dinitro- 2-methylphenol	ND	5.0	ug/L	SW846 8040A
Dinoseb	ND	5.0	ug/L	SW846 8040A
2-Nitrophenol	ND	5.0	ug/L	SW846 8040A
4-Nitrophenol	ND	5.0	ug/L	SW846 8040A
Pentachlorophenol	N D	5.0	ug/L	SW846 8040A
Phenol	ND	5.0	ug/L	SW846 8040A
2,3,4,6-Tetrachlorophenol	ND	5.0	ug/L	SW846 8040A
2,4,5-Trichloro- phenol	ND	5.0	ug/L	SW846 8040A
2,4,6-Trichloro- phenol	ND	5.0	ug/L	SW846 8040A
	PERCENT	RECOVER	Y	
SURROGATE	RECOVERY	LIMITS		
2,4,6-Tribromophenol	89	(44 - 1	•	
2-Fluorophenol	83	(37 - 9	6)	

	PERCENT	RECOVERY
SURROGATE	RECOVERY	LIMITS
2,4,6-Tribromophenol	89	(44 - 110)
2-Fluorophenol	83	(37 - 96)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL702

Work Order #...: J3DWM1AC

Matrix.... WATER

LCS Lot-Sample#: F7G230000-174

Prep Date....: 07/23/07

Analysis Date..: 08/01/07

Prep Batch #...: 7204174

Dilution Factor: 1

	SPIKE	MEASURED		PERCENT	
PARAMETER	AMOUNT	AMOUNT	UNITS	RECOVERY	METHOD
2-Chlorophenol	100	74.7	ug/L	75	SW846 8040A
4-Chloro-3-methylphenol	100	77.5	ug/L	77	SW846 8040A
3-Methylphenol &	100	75.9	ug/L	76	SWB46 8040A
4-Methylphenol					
2-Methylphenol	100	75.1	ug/L	75	SW846 8040A
2,4-Dichlorophenol	100	74.9	ug/L	75	SW846 8040A
2,6-Dichlorophenol	100	76.4	ug/L	76	SWB46 8040A
2,4-Dimethylphenol	100	75.2	ug/L	75	SWB46 B040A
2,4-Dinitrophenol	100	81.6	ug/L	82	SW846 8040A
4,6-Dinitro-	100	84.0	ug/L	84	SW846 8040A
2-methylphenol					
Dinoseb	100	86.5	սց/Ն	86	SW846 8040A
2-Nitrophenol	100	78.8	ug/L	79	SW846 8040A
4-Nitrophenol	100	79.9	ug/L	80	SW846 8040A
Pentachlorophenol	100	77.4	ug/L	77	SW846 8040A
Phenol	100	73.3	ug/L	73	SW846 8040A
2,3,4,6-Tetrachlorophenol	100	90.8	ug/L	91	SW846 8040A
2,4,5-Trichloro-	100	78.0	ug/L	78	SW846 8040A
phenol					
2,4,6-Trichloro-	100	82.1	ug/L	82	SW846 8040A
phenol					
		PERCENT	RECOVERY		
SURROGATE		RECOVERY	LIMITS	_	
2,4,6-Tribromophenol		83	(50 - 10	7)	
2-Fluorophenol		73	(50 - 91))	

NOTE (S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL702

Work Order #...: J22LM1AG-MS Matrix....: WATER

J22LM1AH-MSD

MS Lot-Sample #: F7G170250-002

Date Sampled...: 07/16/07

Date Received..: 07/17/07
Analysis Date..: 08/01/07

Prep Date....: 07/23/07

Prep Batch #...: 7204174

Dilution Factor: 1

	SAMPLE	SPIKE	MEASRD		PERCNT			
PARAMETER	AMOUNT	AMT	AMOUNT	UNITS	RECVRY	RPD	METHOD	
2-Chlorophenol	ND	95.0	71.5	ug/L	75		SW846 8040A	
	ND	95.3	70.4	ug/L	74	1.4	SW846 8040A	
4-Chloro-3-methylphenol	ND	95.0	72.9	ug/L	77		SW846 8040A	
	ND	95.3	73.7	ug/L	77	1.1	SW846 8040A	
3-Methylphenol & 4-Methylphenol	ND	95.0	72.1	ug/L	76		SW846 8040A	
	ND	95.3	72.2	ug/L	76	0.08	SW846 8040A	
2-Methylphenol	ND	95.0	71.6	ug/L	75		SW846 8040A	
	ND	95.3	70.9	ug/L	74	0.96	SW846 8040A	
2,4-Dichlorophenol	ND	95.0	71.7	ug/L	76		SW846 8040A	
	ND	95.3	71.2	ug/L	75	0.68	SW846 8040A	
2,6-Dichlorophenol	ND	95.0	72.7	ug/L	77		SW846 8040A	
	ND	95.3	72.4	ug/L	76	0.46	SW846 8040A	
2,4-Dimethylphenol	ND	95.0	63.9	ug/L	67		SW846 8040A	
	ND	95.3	66.5	ug/L	70	4.0	SW846 8040A	
2,4-Dinitrophenol	ND	95.0	75.1	ug/L	79		SN846 8040A	
	ND	95.3	75.6	ug/L	79	0.65	SW846 8040A	
4,6-Dinitro-	ND	95.0	74.4	ug/L	78		SW846 B040A	
2-methylphenol								
	ND	95.3	73.1	ug/L	77	1.8	SW846 8040A	
Dinoseb	ND	95.0	78.5	ug/L	83		SW846 8040A	
	ND	95.3	77.6	ug/L	82	1.2	SW846 8040A	
2-Nitrophenol	ND	95.0	71.2	ug/L	75		SW846 8040A	
	ND	95.3	73.2	ug/L	77	2.8	SW846 8040A	
4-Nitrophenol	MD	95.0	72.7	ug/L	77		SW846 8040A	
	ND	95.3	74.2	ug/L	78	2.1	SW846 8040A	
Pentachlorophenol	ND	95.0	71.7	ug/L	75		SW846 8040A	
	ND	95.3	70.9	ug/L	74	1.0	SW846 8040A	
Phenol	ND	95.0	69.5	ug/L	73		SW846 8040A	
	ND	95.3	71.2	ug/L	75	2.5	SW846 8040A	
2,3,4,6-Tetrachlorophenol	ND	95.0	80.9	ug/L	85		SW846 8040A	
	ND	95.3	83.5	ug/L	88	3.2	SW846 8040A	
2,4,5-Trichloro- phenol	ND	95.0	72.8	ug/L	77		SW846 8040A	
	ND	95.3	73.8	ug/L	77	1.4	SW846 8040A	

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL702

Work Order #...: J22LM1AG-MS

Matrix....: WATER

MS Lot-Sample #: F7G170250-002

J22LMlAH-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PER REC	CNT VRY RP	D METHO	D
2,4,6-Trichloro- phenol	ND	95.0	75.3	ug/L	79		SW846	8040A
pilono	MD	95.3	76.2	ug/L	80	1.:	2 SW846	8040A
		F	PERCENT		RECOVE	RY		
SURROGATE		_	ECOVERY		LIMITS			
2,4,6-Tribromophenol		8	1		(44 -	110)		
-, -, -		7	8		(44 -	110)		
2-Fluorophenol		7	73		(37 -	96)		
		-	1		(37 -	96)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

EXTRACTABLE PETROLEUM HYDROCARBONS

STL ST. LOUIS RECEIVED AUGUST 24, 2007

Fluor Hanford Inc

Client Sample ID: B1NHC1

GC Semivolatiles

Lot-Sample #...: F7G130260-002 Work Order #...: J2VP11AC Matrix....: WATER

Date Received..: 07/13/07 Date Sampled...: 07/12/07 **Analysis Date..:** 07/27/07 **Prep Date....:** 07/18/07

Prep Batch #...: 7200353

Method.....: SW846 8015 MOD Dilution Factor: 1

REPORTING

MDL PARAMETER RESULT LIMIT UNITS 0.050 ND 0.50 mg/L

TPH - Diesel Range - WTPH-D

PERCENT RECOVERY RECOVERY LIMITS SURROGATE (16 - 150)o-Terphenyl

197 of 312 SDG# SL702

STL ST. LOUIS

RECEIVED AUGUST 24, 2007

Fluor Hanford Inc

Client Sample ID: B1NHC1

GC Semivolatiles

Lot-Sample #...: F7G130260-002 Work Order #...: J2VP11AE Matrix..... WATER

 Date Sampled...:
 07/12/07
 Date Received...:
 07/13/07

 Prep Date.....:
 07/18/07
 Analysis Date...:
 07/27/07

Prep Batch #...: 7200353

Dilution Factor: 1 Method.....: SW846 8015 MOD

REPORTING

 PARAMETER
 RESULT
 LIMIT
 UNITS
 MDL

 Kerosene
 ND
 0.50
 mg/L
 0.50

PERCENT RECOVERY
SURROGATE RECOVERY
0-Terphenyl 45 (16 - 150)

SDG# SL702 198 of 312

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: SL702

Work Order #...: J25591AA

Matrix..... WATER

METHOD

MB Lot-Sample #: F7G190000-353

Prep Date....: 07/18/07

Analysis Date..: 07/27/07

Dilution Factor: 1

Prep Batch #...: 7200353

		REPORTING			
PARAMETER	RESULT	LIMIT	UNITS		
Vorogono	NTD	0.50	mcz/T.		

 Kerosene
 ND
 0.50
 mg/L
 SW846 8015 MOD

 TPH - Diesel Range - WTPH
 ND
 0.50
 mg/L
 SW846 8015 MOD

 SURROGATE
 PERCENT
 RECOVERY

 0-Terphenyl
 58 * (73 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Surrogate recovery is outside stated control limits.

STL ST. LOUIS RECEIVED AUGUST 24, 2007

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL702

Work Order #...: J25591AC

Matrix..... WATER

LCS Lot-Sample#: F7G190000-353

Prep Date....: 07/18/07

Analysis Date..: 07/27/07

Prep Batch #...: 7200353

Dilution Factor: 1

SPIKE

MEASURED

PERCENT

PARAMETER

TRUUOMA

AMOUNT

UNITS

RECOVERY

METHOD

TPH - Diesel Range - WTPH

2.50

1.17

mg/L

SW846 8015 MO

SURROGATE

o-Terphenyl

PERCENT RECOVERY RECOVERY LIMITS (73 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: SL702

Work Order #...: J2VP11AN-MS

Matrix..... WATER

MS Lot-Sample #: F7G130260-002

J2VP11AP-MSD

Date Sampled...: 07/12/07

Date Received..: 07/13/07

Prep Date....: 07/18/07

Prep Batch #...: 7200353

Analysis Date..: 07/27/07

Dilution Factor: 1

SAMPLE SPIKE MEASRD

PERCNT

PARAMETER TRUOMA

AMOUNT AMT 2,41 1.18

UNITS RECVRY RPD mg/L 49 mg/L

METHOD SW846 8015 MOD

TPH - Diesel Range - WTPH ND ND

2.39 1.26 53

6.3 SW846 8015 MOD

SURROGATE o-Terphenyl

PERCENT RECOVERY 78

LIMITS (16 - 150)

RECOVERY

85

(16 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

VOLATILE PETROLEUM HYDROCARBONS

SDG# SL702

Fluor Banford Inc

Client Sample ID: B1NHC1

GC Volatiles

Lot-Sample #...: F7G130260-002 Work Order #...: J2VP11AD Matrix.....: WATER

Prep Batch #...: 7199151

Dilution Factor: 1 Method.....: SW846 8015 MOD

REPORTING

 PARAMETER
 RESULT
 LIMIT
 UNITS
 MDL

 Volatile Petroleum
 ND
 0.10
 mg/L
 0.0095

Volatile Petroleum Hydrocarbons

SURROGATEPERCENTRECOVERYTrifluorotoluene103(85 - 115)

11111dolocoldene 103 (65 - 115

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: SL702

Work Order #...: J23931AA

Matrix....: WATER

MB Lot-Sample #: F7G180000-151

Prep Date....: 07/16/07

Analysis Date..: 07/16/07

Analysis Date... 07/10/

Prep Batch #...: 7199151

Dilution Factor: 1

REPORTING

PARAMETER
Volatile Petroleum

RESULT ND LIMIT 0.10 UNITS mg/L METHOD SW846 8015 MOD

Hydrocarbons

PERCENT

RECOVERY

SURROGATE Trifluorotoluene RECOVERY 102 <u>LIMITS</u> (85 - 115)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: SL702

Work Order #...: J23931AC

Matrix..... WATER

LCS Lot-Sample#: F7G180000-151

Analysis Date..: 07/16/07

Prep Date....: 07/16/07 Prep Batch #...: 7199151

Dilution Factor: 1

SPIKE

MEASURED

PERCENT

PARAMETER

AMOUNT

AMOUNT

UNITS

RECOVERY

METHOD

Volatile Petroleum Hydroc

1.07

mg/L

SW846 8015 MO

PERCENT

RECOVERY

RECOVERY LIMITS

SURROGATE Trifluorotoluene

121 *

(85 - 115)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

^{*} Surrogate recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: SL702 Work Order #...: J2VP11AQ-MS Matrix..... WATER

J2VPllaR-MSD MS Lot-Sample #: F7G130260-002

Date Received..: 07/13/07 Date Sampled...: 07/12/07 Analysis Date..: 07/16/07 **Prep Date....:** 07/16/07

Prep Batch #...: 7199151

Dilution Factor: 1

PARAMETER Volatile Petroleum Hydroc	SAMPLE AMOUNT ND ND	SPIKE AMT 1.00 1.00	MEASRD AMOUNT 1.04 1.09	UNITS mg/L mg/L	PERCNT RECVRY 104 109	RPD 5.1	METHOI SW846 SW846	8015	_
SURROGATE Trifluorotoluene			PERCENT RECOVERY 129 * 128 *		RECOVERY LIMITS (85 - 115) (85 - 115)				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

^{*} Surrogate recovery is outside stated control limits.

METALS

Fluor Hanford Inc

Client Sample ID: BINHCO

DISSOLVED Metals

Lot-Sample #...: F7G130260-001 Matrix....: WATER

Date Sampled...: 07/12/07 Date Received..: 07/13/07

REPORTING PREPARATION- WORK
PARAMETER RESULT LIMIT UNITS METHOD ANALYSIS DATE ORDER #

Prep Batch #...: 7198079 07/17/07 J2VPK1A2 Mercury ND 0.20 ug/L SW846 7470A Dilution Factor: 1 MIDL..... 0.093 Prep Batch #...: 7198253 SW846 6010B 07/17-07/25/07 J2VPKLAC Lithium ND D 100 ug/L Dilution Factor: 2 MDL..... 20.6 SW846 6010B 07/17-07/25/07 J2VPK1AD Aluminum ND D 400 uq/L Dilution Factor: 2 MDL..... 109 07/17-07/26/07 J2VPK1AE ND D 120 ug/L SW846 6010B Antimony Dilution Factor: 2 MDL...... 89.7 SW846 6010B 07/17-07/26/07 J2VPK1AF 38.2 B,D 400 ug/L **Barium** MDL..... 10.0 Dilution Factor: 2 SW846 6010B 07/17-07/26/07 J2VPKLAG 10.0 ug/L Beryllium 1.9 B,D MDL..... 1.1 Dilution Factor: 2 07/17-07/26/07 J2VPKLAH ND D 10.0 ug/L SW846 6010B Cadmium Dilution Factor: 2 MDL..... 7.1 07/17-07/26/07 J2VPKLAJ Calcium 41000 D 10000 uq/L SW846 6010B Dilution Factor: 2 MDL..... 200 20.0 ug/L SW846 6010B 07/17-07/26/07 J2VPK1AK Chromium 6.0 B,D Dilution Factor: 2 MDL..... 4.9 07/17-07/26/07 J2VPK1AL SW846 6010B Cobalt ND D 100 ug/L Dilution Factor: 2 MDL..... 4.0 07/17-07/26/07 J2VPK1AM SW846 6010B ND D 50.0 ug/L Copper Dilution Factor: 2 MDL..... 3.7 200 SW846 6010B 07/17-07/25/07 J2VPK1AN ND D ug/L Iron

(Continued on next page)

ug/L

MDL..... 37.2

SW846 6010B

MDL..... 256

Dilution Factor: 2

Dilution Factor: 2

10000

13300 D

07/17-07/26/07 J2VPKLAP

Magnesium

Fluor Hanford Inc

Client Sample ID: BINHCO

DISSOLVED Metals

Lot-Sample #...: F7G130260-001

Matrix: WATER

PARAMETER RESULT		REPORTIN	IG UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK
Manganese	3.3 B.D	30.0	ug/L	SW846 6010B	07/17-07/26/07	
ranguicoc	3.3 0,2	Dilution Fac		MDL 1.7	21,21 21,22,11	
Nickel	ND D	80.0	ug/L	SW846 6010B	07/17-07/26/07	J2VPK1AR
		Dilution Fac	tor: 2	MDL 9.1		
Potassium	6670 B,D	10000	ug/L	SW846 6010B	07/17-07/25/07	J2VPK1AT
		Dilution Fac	tor: 2	MDL 3270		
Silver	NTD D	20.0	ug/L	SW846 6010B	07/17-07/26/07	J2VPK1AU
		Dilution Fac	tor: 2	MDL 3.4		
Sodium	17000 D	10000	ug/L	SW846 6010B	07/17-07/25/07	J2VPK1AV
		Dilution Fac	tor: 2	MDL 157		
Strontium	185 D	100	ug/L	SW846 6010B	07/17-07/26/07	J2VPKLAW
		Dilution Fac	tor: 2	MDL 1.1		
Vanadium	25.3 B,D	100	ug/L	SW846 6010B	07/17-07/26/07	J2VPKLAX
		Dilution Fac	tor: 2	MDL 12.1		
Zinc	NID D	40.0	ug/L	SW846 6010B	07/17-07/26/07	J2VPK1A0
		Dilution Fac	tor: 2	MDL 19.3		
Prep Batch #			<u>.</u>			
Arsenic	2.2 B	10.0 Dilution Fac		SW846 6020	07/17-08/11/07	JZVPKIAA
		Directon Fac	COF: 1	PIDES I.O		
Lead	ND	3.0	ug/L	SW846 6020	07/17-08/11/07	J2VPK1A1
		Dilution Fac	tor: 1	MDL 0.49		
NOTE (S):						

D Result was obtained from the analysis of a dilution.

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1NY24

DISSOLVED Metals

Lot-Sample #...: F7G170250-001

Date Sampled...: 07/16/07

Date Received..: 07/17/07

Matrix....: WATER

		REPORTI	1G		PREPARATION-	WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOD	ANALYSIS DATE	ORDER #
Prep Batch #	: 7204270					
Antimony	ND D	120	ug/L	SW846 6010B	07/23-08/09/07	J22LK1AA
		Dilution Fac	tor: 2	MDL 89.7		
Barium	59.8 B,D	400	ug/L	SW846 6010B	07/23-08/09/07	J22LK1AC
		Dilution Fac	tor: 2	MDL 10.0		
Beryllium	ND D	10.0	/1	CHOAC COLOR	07/23-08/09/07	7001 121 310
Beryllium	ם מא	10.0	ug/L	SW846 6010B	01/23-08/09/01	UZZLKIAD
		Dilution Fac	tor: 2	MDL 2.1		
Cadmium	ND D	10.0	ug/L	SW846 6010B	07/23-08/09/07	J22LK1AE
		Dilution Fac		MDL	0.725 00705707	
				Page 1		
Calcium	54900 D	10000	uq/L	SW846 6010B	07/23-08/09/07	J22LK1AF
		Dilution Fac		MIDIL 200	• • • • • • • • • • • • • • • • • • • •	
Chromium	10.6 B,D	20.0	ug/L	SW846 6010B	07/23-08/09/07	J22LKLAG
		Dilution Fac	tor: 2	MDL 4.9		
Cobalt	ND D	100	ug/L	SW846 6010B	07/23-08/09/07	J22LK1AH
		Dilution Fac	tor: 2	MDL 4.0		
Copper	ND D	50.0	ug/L	SW846 6010B	07/23-08/09/07	J22LK1AJ
		Dilution Fac	tor: 2	MDL 3.9		
			4-			
Iron	40.6 B,D	200	ug/L	SW846 6010B	07/23-0B/09/07	J22LKlak
		Dilution Fac	tor: 2	MDL 37.2		
Magnesium	17600 D	10000	ug/L	SW846 6010B	07/23-08/09/07	TOOTHE AT
	2.000 B	Dilution Fac		MDL 256	01/25-00/05/01	UZZIKIALI
		DAIGUION FAC		FIDAL 230		
Manganese	ND D	30.0	ug/L	SW846 6010B	07/23-08/09/07	.T221.K1AM
		Dilution Fac	•	MDL 2.1	01,25 00,05,01	otioner.
Nickel	ND D	80.0	ug/L	SW846 6010B	07/23-08/09/07	J22LK1AN
		Dilution Fac	tor: 2	MDL 9.1		
Potassium	6370 B,C,D	10000	ug/L	SW846 6010B	07/23-08/08/07	J22LK1AP
		Dilution Fac	tor: 2	MDL 3270		
Silver	ND D	20.0	ug/L	SW846 6010B	07/23-08/09/07	J22LK1AQ
		Dilution Fac	tor: 2	MDL 3.4		

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Fluor Hanford Inc

Client Sample ID: BlNY24

DISSOLVED Metals

Lot-Sample #...: F7G170250-001

Matrix....: WATER

PARAMETER Sodium	RESULT 15700 D	REPORTING LIMIT 10000 Dilution Factor	UNITS ug/L	METHOD SW846 6010B MDL	PREPARATION- ANALYSIS DATE 07/23-08/08/07	WORK ORDER # J221.Klar
Strontium	255 D	100 Dilution Facto	ug/L or: 2	SW846 6010B	07/23-08/09/07	J22LK1AT
Vanadium	26.4 B,D	100 Dilution Facto	ug/L or: 2	SW846 6010B	07/23-08/09/07	J22LK1AU
Zinc	ND D	40.0 Dilution Facto	ug/L or: 2	SW846 6010B	07/23-08/09/07	J22LK1AV

NOTE(S):

D Result was obtained from the analysis of a dilution.

B Estimated result. Result is less than RL.

C Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Fluor Hanford Inc

Client Sample ID: BLNY54

DISSOLVED Metals

Lot-Sample #...: F7G170250-008

Date Sampled...: 07/16/07

Date Received..: 07/17/07

PREPARATION-WORK REPORTING ORDER # PARAMETER RESULT LIMIT UNITS METHOD ANALYSIS DATE Prep Batch #...: 7204270 SW846 6010B 07/23-08/09/07 J22L31AC Antimony 120 ug/L Dilution Factor: 2 MDL..... 89.7 400 uq/L SW846 6010B 07/23-08/09/07 J22L3LAD Barium 57.1 B.D Dilution Factor: 2 MDL..... 10.0 10.0 SW846 6010B 07/23-08/09/07 J22L31AE Beryllium ND D ug/L MDL..... 2.1 Dilution Factor: 2 10.0 SW846 6010B 07/23-08/09/07 J22L31AF Cadmium ND D uq/L Dilution Factor: 2 MDL..... 7.1 Calcium 50200 D 10000 ug/L SW846 6010B 07/23-08/09/07 J22L31AG Dilution Factor: 2 MDL..... 200 SW846 6010B 07/23-08/09/07 J22L31AH Chromium 17.5 B,D 20.0 ug/L MDL..... 4.9 Dilution Factor: 2 07/23-08/09/07 J22L31AJ ND D 100 ug/L SW846 6010B Cobalt Dilution Factor: 2 MDL..... 4.0 50.0 07/23-08/09/07 J22L31AK SW846 6010B Copper ND D uq/L Dilution Factor: 2 MIDI..... 3.9 07/23-08/09/07 J22L31AL Iron 47.5 B,D uq/L SW846 6010B Dilution Factor: 2 MDL.... 37.2 10000 SW846 6010B 07/23-08/09/07 J22L31AM 15900 D ug/L Magnesium Dilution Factor: 2 MDL..... 256 SW846 6010B 07/23-08/09/07 J22L31AN Manganese ND D 30.0 ug/L Dilution Factor: 2 MDL.... 2.1 SW846 6010B 07/23-08/09/07 J22L31AP Nickel ND D 80.0 ug/L Dilution Factor: 2 MDL..... 9.1 SW846 6010B 07/23-08/08/07 J22L31AQ Potassium 8150 B,C,D 10000 ug/L Dilution Factor: 2 MDL..... 3270 Silver ND D SW846 6010B 07/23-08/09/07 J22L31AR 20.0 ug/L MDL..... 3.4 Dilution Factor: 2

(Continued on next page)

Matrix....: WATER

Fluor Hanford Inc

Client Sample ID: BlNY54

DISSOLVED Metals

Lot-Sample #...: F7G170250-008

Matrix....: WATER

PARAMETER Sodium	RESULT 26100 D	REPORTING LIMIT 10000	G <u>UNITS</u> ug/ L	METHOD SW846 6010B	PREPARATION- ANALYSIS DATE 07/23-08/08/07	WORK ORDER # J22L31AT
		Dilution Fact	or: 2	MDL 157		
Strontium	217 D	100	ug/L	SW846 6010B	07/23-08/09/07	J22L31AU
		Dilution Fact	or: 2	MDL 1.1		
Vanadium	24.3 B,D	100	ug/L	SW846 6010B	07/23-08/09/07	J22L31AV
		Dilution Fact	cor: 2	MDL 12.1		
Zinc	NID D	40.0	ug/L	SW846 6010B	07/23-08/09/07	J22L31AW
		Dilution Fact	or: 2	MDL 19.3		

NOTE(S):

D Result was obtained from the analysis of a dilution.

B Estimated result. Result is less than RL.

C Method blank contamination. The associated method blank contains the target analyte at a reportable level.

STL ST. LOUIS

RECEIVED AUGUST 24, 2007

Fluor Hanford Inc

Client Sample ID: B1NWY7

DISSOLVED Metals

Lot-Sample #...: F7G170298-001

Date Received..: 07/17/07

Matrix....: WATER

Date Sampled...: 07/16/07

ug/L

PREPARATION-WORK

PARAMETER RESULT

LIMIT UNITS

REPORTING

METHOD

ANALYSIS DATE ORDER #

Prep Batch #...: 7204274

Arsenic

SW846 6020

07/23-08/11/07 J221T1AC

Dilution Factor: 1

MDL..... 1.6

NOTE(S):

B Estimated result. Result is less than RL.

STL ST. LOUIS RECEIVED AUGUST 24, 2007

Fluor Hanford Inc

Client Sample ID: B1NX01

DISSOLVED Metals

Lot-Sample #...: F7G170298-002

Date Received..: 07/17/07 Date Sampled...: 07/16/07

LIMIT UNITS

Matrix..... WATER

REPORTING RESULT

METHOD

PREPARATION-WORK ANALYSIS DATE ORDER #

Prep Batch #...: 7204274

PARAMETER

07/23-08/11/07 J221X1AC SW846 6020 Arsenic ND 10.0 ug/L

MDL..... 1.6 Dilution Factor: 1

Fluor Hanford Inc

Client Sample ID: BlNY00

DISSOLVED Metals

Lot-Sample #...: F7G180212-009

Date Sampled...: 07/17/07

Date Received..: 07/18/07

Matrix....: WATER

		REPORTING			PREPARATION-	WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOD	ANALYSIS DATE	ORDER #
Prep Batch #: 7204270						
Antimony	ND D	120	ug/L	SW846 6010B	07/23-08/09/07	J24J61AA
-		Dilution Factor: 2		MDL 89.7		
			4-		07/02 07/00/07	T04 TC13 C
Barium	61.8 B,D	400	ug/L	SW846 6010B MDL 10.0	07/23-08/09/07	12#06TMC
		Dilution Facto	or: 2	MDE 10.0		
Beryllium	ND D	10.0	ug/L	SW846 6010B	07/23-08/09/07	J24J61AD
-		Dilution Facto	or: 2	MDL 2.1		
			4=	grand 6 6010D	07/23-08/09/07	T24 TC1 NE
Cadmium	ND D		ug/L	SW846 6010B	07/23-06/09/07	024061AE
Dilution Factor: 2 MDL						
Calcium	51300 D	10000	ug/L	SW846 6010B	07/23-08/09/07	J24J61AF
		Dilution Factor: 2		MDL 200		
				######################################	07/02 00/00/07	724 TC130
Chromium	11.1 B,D		ug/L	SW846 6010B	07/23-08/09/07	UZ4UDIAG
Dilution Factor: 2			MDD 4.9			
Cobalt	ND D	100	ug/L	SW846 6010B	07/23-08/09/07	J24J61AH
		Dilution Factor: 2		MDL 4.0		
_			-		07/02 00/00/07	70476137
Copper	ND D	50.0	ug/L	SW846 6010B	07/23-08/09/07	024061W0
	Dilution Factor: 2 MDL					
Iron	ND D	200	ug/L	SW846 6010B	07/23-08/09/07	J24J61AK
		Dilution Factor: 2		MDL 37.2		
			/-	0000 4 C CO T O D	07/23-08/09/07	T24 TC1 NT
Magnesium	15800 D	10000 Dilution Facto	ug/L	SW846 6010B	07/23-06/09/07	024001701
		DITUCION FACE	JI: 2	HDD		
Manganese	2.8 B,C,D	30.0	ug/L	SW846 6010B	07/23-08/09/07	J24J61AM
		Dilution Factor: 2 MDL 2.1				
**	APP D	00.0	/7	GM046 6010P	07/23-08/09/07	TOATE LAN
Nickel	ND D	80.0	ug/L	SW846 6010B	07/23-06/03/07	024001AN
Dilution Factor: 2 MDL				ADD		
Potassium	ND D	10000	ug/L	SW846 6010B	07/23-08/08/07	J24J6lap
		Dilution Factor: 2		MDL 3270		
Cilean	ND D	20.0	1107 /T	CMOAS SOLOD	07/23-08/09/07	.T24.T6130
Silver	ND D	20.0 Dilution Fact	ug/L	SW846 6010B	01/23-00/03/01	GERUOLING
		DITUCTOR FACE				

(Continued on next page)

Fluor Hanford Inc

Client Sample ID: BlNY00

DISSOLVED Metals

Lot-Sample #...: F7G180212-009

Matrix....: WATER

PARAMETER Sodium	RESULT 29800 D	REPORTING LIMIT UNITS 10000 ug/L Dilution Factor: 2	METHOD SW846 6010B MDL: 157	PREPARATION- WORK ANALYSIS DATE ORDER # 07/23-08/08/07 J24J61AR
Strontium	231 D	100 ug/L Dilution Factor: 2	SW846 6010B	07/23-08/09/07 J24J61AT
Vanadium	26.1 B,D	100 ug/L Dilution Factor: 2	SW846 6010B	07/23-08/09/07 J24J61AU
Zinc	ND D	40.0 ug/L Dilution Factor: 2	SW846 6010B	07/23-08/09/07 J24J61AV

NOTE(S):

D Result was obtained from the analysis of a dilution.

B Estimated result. Result is less than RL.

C Method blank contamination. The associated method blank contains the target analyte at a reportable level.

STL ST. LOUIS

RECEIVED AUGUST 24, 2007

Fluor Hanford Inc

Client Sample ID: BINKJ0

DISSOLVED Metals

Lot-Sample #...: F7G190478-001

Matrix....: WATER

Date Sampled...: 07/18/07

Date Received..: 07/19/07

WORK PREPARATION-

PARAMETER

RESULT

REPORTING LIMIT UNITS

METHOD

ANALYSIS DATE ORDER #

Prep Batch #...: 7204274

Arsenic 2.2 B

10.0

ug/L

SW846 6020

07/23-08/11/07 J271K1AC

Dilution Factor: 1

MDL..... 1.6

NOTE(S):

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: BINL79

DISSOLVED Metals

Lot-Sample #...: F7G190478-002 Matrix....: WATER

Date Sampled...: 07/18/07 Date Received..: 07/19/07

		REPORTIN			PREPARATION-	WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOD	ANALYSIS DATE	ORDER #
Prep Batch #	. 7204270					
Antimony	ND D	120	ug/L	SW846 6010B	07/23-08/09/07	J271MLAA
,		Dilution Fac	tor: 2	MDL 89.7		
					n= /nn	70731737
Barium	63.9 B,D	400	ug/L	SW846 6010B	07/23-08/09/07	J271M1AC
		Dilution Fac	tor: 2	MDL 10.0		
Beryllium	ND D	10.0	ug/L	SW846 6010B	07/23-08/09/07	J271M1AD
		Dilution Fac	tor: 2	MDL 2.1		
			•_		07/03 00/00/07	T071W13B
Cadmium	ND D	10.0	ug/L	SW846 6010B	07/23-08/09/07	J2/IMLAB
		Dilution Fac	tor: 2	MDL 7.1		
Calcium	59500 D	10000	ug/L	SW846 6010B	07/23-08/09/07	J271MLAF
		Dilution Fac	tor: 2	MDL 200		
Chromium	7.3 B,D	20.0	ug/L	SW846 6010B	07/23-08/09/07	J271MLAG
		Dilution Fac	tor: 2	MIDI		
Cobalt	ND D	100	ug/L	SW846 6010B	07/23-08/09/07	J271M1AH
		Dilution Fac	_	MDL 4.0		
Copper	ND D	50.0	ug/L	SW846 6010B	07/23-08/09/07	J271M1AJ
		Dilution Fac	ctor: 2	MDL 3.9		
Iron	ND D	200	ug/L	SW846 6010B	07/23-08/09/07	J271M1AK
		Dilution Fac	ctor: 2	MDL 37.2		
Magnesium	14500 D	10000	ug/L	SW846 6010B	07/23-08/09/07	J271MIAL
		Dilution Fa	ctor: 2	MDL 256		
Manganese	2.5 B,C,D	30.0	ug/L	SW846 6010B	07/23-08/09/07	J271MLAM
J		Dilution Fac		MDL 2.1		
Nickel	ND D	80.0	ug/L	SW846 6010B	07/23-08/09/07	J271M1AN
		Dilution Fa	ctor: 2	MDL 9.1		
Potassium	12000 C,D	10000	ug/L	SW846 6010B	07/23-08/08/07	J271MLAP
	- -	Dilution Fa	_	MDL 3270		
Silver	ND D	20.0	ug/L	SW846 6010B	07/23-08/09/07	J271MIAQ
		Dilution Fa	ctor: 2	MDL 3.4		

Fluor Hanford Inc

Client Sample ID: B1NL79

DISSOLVED Metals

Lot-Sample #...: F7G190478-002

Matrix....: WATER

PARAMETER Sodium	RESULT 23600 D		NITS 1g/L	METHOD SW846 6010B MDL 157	PREPARATION- ANALYSIS DATE 07/23-08/08/07	WORK ORDER # J271MLAR
Strontium	327 D	100 u	1g/L : 2	SW846 6010B	07/23-08/09/07	J271MLAT
Vanadium	12.1 B,D	100 u	1g/L : 2	SW846 6010B	07/23-08/09/07	J271M1AU
Zinc	ND D	40.0 U	1g/L : 2	SW846 6010B	07/23-08/09/07	J271M1AV

NOTE (S):

D Result was obtained from the analysis of a dilution.

B Estimated result. Result is less than RL.

C Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Fluor Hanford Inc

Client Sample ID: B1NL75

DISSOLVED Metals

Lot-Sample #...: F7G190478-004

Date Sampled...: 07/18/07

Date Received..: 07/19/07

Date Sampled	- 0//10/0/	DALCE AN				
PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #	- 7204270					
Antimony	ND D	120	uq/L	SW846 6010B	07/23-08/09/07	J271T1AA
		Dilution Facto		MIDL 89.7		
Barium	49.1 B,D	400	ug/L	SW846 6010B	07/23-08/09/07	J271T1AC
		Dilution Facto	r: 2	MDL 10.0		
Beryllium	ND D	10.0	ug/L	SW846 6010B	07/23-08/09/07	J271T1A D
		Dilution Facto	r: 2	MDL 2.1		
Cadmium	ND D	10.0	ug/L	SW846 6010B	07/23-08/09/07	J271T1AE
		Dilution Facto	r: 2	MDL 7.1		
Calcium	51800 D	10000	ug/L	SW846 6010B	07/23-08/09/07	J271T1AF
		Dilution Facto	-	MDL 200		
Chronium	6.8 B,D	20.0	ug/L	SW846 6010B	07/23-08/09/07	J271T1AG
		Dilution Facto	r: 2	MDL 4.9		
Cobalt	ND D	100	ug/L	SW846 6010B	07/23-08/09/07	J271T1AH
		Dilution Facto	r: 2	MDL 4.0		
Copper	ND D	50.0	ug/L	SW846 6010B	07/23-08/09/07	J271T1AJ
		Dilution Facto	r: 2	MDL 3.9		
Iron	ND D	200	ug/L	SW846 6010B	07/23-08/09/07	J271TLAK
		Dilution Facto	r: 2	MDL 37.2		
Magnesium	13300 D	10000	ug/L	SW846 6010B	07/23-08/09/07	J271TLAL
		Dilution Facto	r: 2	MDL 256		
Manganese	ND D	30.0	ug/L	SW846 6010B	07/23-08/09/07	J271 T1AM
		Dilution Facto	r: 2	MDL 2.1		
Nickel	ND D	80.0	ug/L	SW846 6010B	07/23-08/09/07	J271T1AN
		Dilution Facto	r: 2	MDL 9.1		
Potassium	6270 B,C,D	10000	ug/L	SW846 6010B	07/23-08/08/07	J271 T1AP
		Dilution Facto	r: 2	MDL 3270		
Silver	NTD D	20.0	ug/L	SW846 6010B	07/23-08/09/07	J271T1AQ
		Dilution Facto	-	MDL 3.4		

(Continued on next page)

Matrix....: WATER

Fluor Hanford Inc

Client Sample ID: B1NL75

DISSOLVED Metals

Lot-Sample #...: F7G190478-004

Matrix....: WATER

PARAMETER Sodium	RESULT 22400 D	REPORTIN LIMIT 10000 Dilution Fac	UNITS ug/L	METHOD SW846 6010B MDL	PREPARATION- ANALYSIS DATE 07/23-08/08/07	WORK ORDER # J271Tlar
Strontium	281 D	100 Dilution Fac	ug/L tor: 2	SW846 6010B	07/23-08/09/07	J271 T1AT
Vanadium	14.1 B,D	100 Dilution Fac	ug/L tor: 2	SW846 6010B	07/23-08/09/07	J271T1AU
Zinc	ND D	40.0 Dilution Fac	ug/L tor: 2	SW846 6010B	07/23-08/09/07	J271T1AV

NOTE(S):

D Result was obtained from the analysis of a dilution.

B Estimated result. Result is less than RL.

C Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Fluor Hanford Inc

Client Sample ID: B1N5T2

DISSOLVED Metals

Lot-Sample #...: F7G190487-002

Date Sampled...: 07/18/07

Date Received..: 07/19/07

WORK REPORTING PREPARATION-PARAMETER RESULT LIMIT UNITS METHOD ANALYSIS DATE ORDER # Prep Batch #...: 7204270 07/23-08/09/07 J27411AA Antimony ND D 300 ug/L SW846 6010B Dilution Factor: 5 MDL..... 224 Barium 317 B,D 1000 uq/L SW846 6010B 07/23-08/09/07 J27411AC Dilution Factor: 5 MDL.... 25.0 Beryllium ND D 25.0 SW846 6010B 07/23-08/09/07 J27411AD uq/L Dilution Factor: 5 MDL..... 5.3 Cadmium ND D 25.0 ug/L SW846 6010B 07/23-08/09/07 J27411AE Dilution Factor: 5 MDL....: 17.7 Calcium 770000 D 100000 ug/L SW846 6010B 07/23-08/09/07 J27411AF Dilution Factor: 20 MDL..... 2000 Chromium ND D 07/23-08/09/07 J27411AG 50.0 ug/L SW846 6010B Dilution Factor: 5 MDL..... 12.3 20.9 B,D Cobalt 250 uq/L SW846 6010B 07/23-08/09/07 J27411AH Dilution Factor: 5 MDL....: 10 ND D 125 SW846 6010B 07/23-08/09/07 J27411AJ Copper ug/L Dilution Pactor: 5 MDL..... 9.8 07/23-08/09/07 J27411AK Iron 1820 D 500 uq/L SW846 6010B Dilution Factor: 5 MDL..... 93.0 116000 D 25000 SW846 6010B 07/23-08/09/07 J27411AL Magnesium ug/L Dilution Factor: 5 MDL.... 640 SW846 6010B 07/23-08/09/07 J27411AM Manganese 787 C,D 75.0 ug/L Dilution Factor: 5 MDL..... 5.2 Nickel ND D 200 ug/L SW846 6010B 07/23-08/09/07 J27411AN Dilution Factor: 5 MDL..... 22.8 Potassium ND D 250000 ug/L SW846 6010B 07/23-08/09/07 J27411AP Dilution Factor: 50 MDL..... 81600 Silver ND D 50.0 ug/L SW846 6010B 07/23-08/09/07 J27411AQ

(Continued on next page)

MDL..... 8.4

Dilution Factor: 5

Matrix..... WATER

Fluor Hanford Inc

Client Sample ID: B1N5T2

DISSOLVED Metals

Lot-Sample #...: F7G190487-002

Matrix..... WATER

PARAMETER Sodium	RESULT 2560000 D	REPORTING LIMIT 250000 Dilution Fact	UNITS ug/L	METHOD SW846 6010B MDL3930	PREPARATION- ANALYSIS DATE 07/23-08/09/07	WORK ORDER # J27411AR
Strontium	4660 D	1000 Dilution Fact	ug/L or: 20	SW846 6010B	07/23-08/09/07	J27411AT
Vanadium	ND D	250 Dilution Fact	ug/L .or: 5	SW846 6010B	07/23-08/09/07	J27411AU
Zinc	86.6 B,D	100 Dilution Fact	ug/L .or: 5	SW846 6010B	07/23-08/09/07	J27411AV

NOTE (S):

D Result was obtained from the analysis of a dilution.

B Estimated result. Result is less than RL.

C Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Fluor Hanford Inc

Client Sample ID: B1NY80

DISSOLVED Metals

Lot-Sample #...: F7G210151-001

Date Received..: 07/21/07 Date Sampled...: 07/20/07 WORK PREPARATION-REPORTING ANALYSIS DATE ORDER # LIMIT UNITS METHOD PARAMETER RESULT Prep Batch #...: 7204270 07/23-08/09/07 J3CTT1AC SW846 6010B Antimony ND D 120 ug/L Dilution Factor: 2 MDL..... 89.7 400 ug/L SW846 6010B 07/23-08/09/07 J3CTT1AD Barium 24.3 B,D Dilution Factor: 2 MDL..... 10.0 SW846 6010B 07/23-08/09/07 J3CTTLAE Beryllium ND D 10.0 ug/L Dilution Factor: 2 MDL..... 2.1 07/23-08/09/07 J3CTT1AF ND D 10.0 SW846 6010B Cadmium ug/L Dilution Factor: 2 MDL..... 7.1 07/23-08/09/07 J3CTT1AG 10000 SW846 6010B Calcium 31900 D ug/L Dilution Factor: 2 MDL.... 200 SW846 6010B 07/23-08/09/07 J3CTT1AH Chromium ND D 20.0 ug/L Dilution Factor: 2 MDL.... 4.9 07/23-08/09/07 J3CTT1AJ Cobalt ND D 100 ug/L SW846 6010B Dilution Factor: 2 MDL.... 4.0 SW846 6010B 07/23-08/09/07 J3CTT1AK ND D 50.0 ug/L Copper Dilution Factor: 2 MDL..... 3.9 SW846 6010B 07/23-08/09/07 J3CTT1AL Iron 139 B,D 200 ug/L Dilution Factor: 2 MDL....: 37.2 07/23-08/09/07 J3CTTLAM Magnesium 8320 B,D 10000 ug/L SW846 6010B MDL..... 256 Dilution Factor: 2 37.2 C.D 30.0 SW846 6010B 07/23-08/09/07 J3CTT1AN Manganese ug/L Dilution Factor: 2 MDL..... 2.1 Nickel ND D 80.0 ug/L SW846 6010B 07/23-08/09/07 J3CTT1AP Dilution Factor: 2 MDL..... 9.1 07/23-08/08/07 J3CTT1AQ Potassium 8670 B,C,D 10000 ug/L SW846 .6010B Dilution Factor: 2 MDL..... 3270 SW846 6010B 07/23-08/09/07 J3CTT1AR Silver ND D 20.0 uq/L Dilution Factor: 2 MDL....: 3.4

(Continued on next page)

Matrix....: WATER

Fluor Hanford Inc

Client Sample ID: B1NY80

DISSOLVED Metals

Lot-Sample #...: F7G210151-001

Matrix..... WATER

PARAMETER Sodium	RESULT 14400 D	REPORTING LIMIT UNITS 10000 ug/L Dilution Factor: 2	METHOD SW846 6010B MDL: 157	PREPARATION- WORK ANALYSIS DATE ORDER # 07/23-08/08/07 J3CTT1AT
Strontium	171 D	100 ug/L Dilution Factor: 2	SW846 6010B	07/23-08/09/07 J3CTT1AU
Vanadium	27.5 B,D	100 ug/L Dilution Factor: 2	SW846 6010B	07/23-08/09/07 J3CTT1AV
Zinc	ND D	40.0 ug/L Dilution Factor: 2	SW846 6010B	07/23-08/09/07 J3CTTLAW

NOTE (S):

D Result was obtained from the analysis of a dilution.

B Estimated result. Result is less than RL.

C Method blank contamination. The associated method blank contains the target analyte at a reportable level.

STL ST. LOUIS

RECEIVED AUGUST 24, 2007

Fluor Hanford Inc

Client Sample ID: B1MR06

DISSOLVED Metals

Lot-Sample #...: F7G210154-001

Date Received..: 07/21/07

Matrix....: WATER

Date Sampled...: 07/20/07

PREPARATION-WORK

RESULT LIMIT UNITS METHOD

ANALYSIS DATE ORDER #

REPORTING

Prep Batch #...: 7204274

Arsenic

ug/L 10.0

SW846 6020

07/23-08/11/07 J3CVMLAA

Dilution Factor: 1

MDL..... 1.6

NOTE(S):

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1NL52

DISSOLVED Metals

Lot-Sample #...: F7G230215-001
Date Sampled...: 07/20/07
Date Received..: 07/21/07

DAD SACORDO	77.07.7. m	REPORTI	=		PREPARATION-	WORK
PARAMETER	RESULT	<u>LIMIT</u>	UNITS	METHOD	ANALYSIS DATE	ORDER #
Prep Batch #	: 7205274					
Antimony	ND D	120	ug/L	SW846 6010B	07/24-08/02/07	.T3E001&&
_		Dilution Fac		MDL 89.7	07/21 00/02/01	DOROGIAM
Barium	43.1 B,D	400	ug/L	SW846 6010B	07/24-08/02/07	J3E0Q1AC
		Dilution Pac	ctor: 2	MDL 10.0		
Beryllium	ND D	10.0	ug/L	SW846 6010B	07/24-08/02/07	TRECOLAR.
•		Dilution Fac	•	MDL 2.1	5,,21 00,02,01	021051110
Cadmium	ND D	10.0	ug/L	SW846 6010B	07/24-08/02/07	J3E0Q1AE
		Dilution Pac	tor: 2	MDL 7.1		
Calcium	49500 D	10000	ug/L	SW846 6010B	07/24-08/02/07	.T2200132
		Dilution Fac		MDL 200	07/24-00/02/07	THEODECO
Chromium	ND D	20.0	ug/L	SW846 6010B	07/24-08/02/07	J3E0Q1AG
		Dilution Fac	tor: 2	MDL 4.9		
Cobalt	ND D	100	ug/L	SW846 6010B	07/24 00/00/05	T2000134
		Dilution Fac		MDL 4.0	07/24-08/02/07	OBROOTAR
				7D31.11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1		
Copper	ND D	50.0	ug/L	SW846 6010B	07/24-08/02/07	J3E0O1AJ
		Dilution Fac	tor: 2	MDL 3.9		_
Iron	NTO D	200	/7	G770.4.C. C.O.1.O.T.		
	ND D	Dilution Fac	ug/L	SW846 6010B	07/24-08/02/07	J3E0Q1AK
		Direction Fac	COI: Z	MDL: 37.2		
Magnesium	10300 D	10000	ug/L	SW846 6010B	07/24-08/02/07	J3E001AL
		Dilution Fac	tor: 2	MDL 256	, , , ,	
Mangarana	377 . D		4-			
Manganese	ND D	30.0	ug/L	SW846 6010B	07/24-08/02/07	J3E0Q1AM
		Dilution Fac	tor: 2	MDL 2.1		
Nickel	ND D	80.0	ug/L	SW846 6010B	07/24-08/02/07	J3E0O3 AN
		Dilution Fac	-	MIDL 9.1	,,	00000
Potassium	7500 B,D	10000	ug/L	SW 84,6 6010B	07/24-08/08/07	J3E0QLAP
		Dilution Fac	tor: 2	MDL 3270		
Silver	ND D	20.0	ug/L	SW846 6010B	07/24-08/02/07	.T2E00130
		Dilution Fact	_	MDL 3.4	0//24-08/02/07	ONTOUTAG

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Matrix....: WATER

Fluor Hanford Inc

Client Sample ID: B1NL52

DISSOLVED Metals

Lot-Sample #...: F7G230215-001

Matrix....: WATER

PARAMETER Sodium	RESULT 14300 D	REPORTING LIMIT 10000 Dilution Fact	UNITS ug/L	METHOD SW846 6010B MDL: 157	PREPARATION- ANALYSIS DATE 07/24-08/08/07	WORK ORDER # J3EOQLAR
Strontium	213 D	100 Dilution Fact	ug/L or: 2	SW846 6010B	07/24-08/02/07	J3R0Q1AT
Vanadium	ND D	100 Dilution Fact	ug/L or: 2	SW846 6010B	07/24-08/02/07	J3E0Q1AU
Zinc	ND D	40.0 Dilution Fact	ug/L or: 2	SW846 6010B	07/24-08/02/07	J3E0Q1AV

D Result was obtained from the analysis of a dilution.

NOTE(S):

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1NL87

DISSOLVED Metals

Lot-Sample #...: F7G230215-003

Date Sampled...: 07/20/07

Date Received..: 07/21/07

WORK PREPARATION-REPORTING PARAMETER RESULT LIMIT UNITS METHOD ANALYSIS DATE ORDER # Prep Batch #...: 7205274 SW846 6010B 07/24-08/02/07 J3E0W1AA Antimony ND D 120 ug/L Dilution Factor: 2 MDL..... 89.7 Barium 43.9 B,D 400 ug/L SW846 6010B 07/24-08/02/07 J3E0W1AC Dilution Factor: 2 MDL..... 10.0 Beryllium ND D 10.0 ug/L SW846 6010B 07/24-08/02/07 J3E0W1AD Dilution Factor: 2 MDL..... 2.1 Cadmium ND D 10.0 ug/L SW846 6010B 07/24-08/02/07 J3E0W1AE Dilution Factor: 2 MDL.... 7.1 Calcium 51500 D 10000 uq/L SW846 6010B 07/24-08/02/07 J3EOW1AF Dilution Factor: 2 MDL..... 200 Chromium ND D SW846 6010B 07/24-08/02/07 J3E0W1AG ug/L Dilution Factor: 2 MDL.... 4.9 4.2 B,D 07/24-08/02/07 J3E0W1AH Cobalt 100 ug/L SW846 6010B Dilution Factor: 2 MDL..... 4.0 SW846 6010B 07/24-08/02/07 J3E0W1AJ Copper ND D 50.0 ug/L Dilution Factor: 2 MDL..... 3.9 ND D SW846 6010B 07/24-08/02/07 J3E0W1AK Iron ug/L Dilution Factor: 2 MDL..... 37.2 Magnesium 13800 D 10000 ug/L SW846 6010B 07/24-08/02/07 J3EOWLAL Dilution Factor: 2 MDL..... 256 4.2 B,D SW846 6010B 07/24-08/02/07 J3E0WLAM Manganese 30.0 ug/L Dilution Factor: 2 MDL..... 2.1 Nickel ND D SW846 6010B 07/24-08/02/07 J3E0W1AN 80.0 ug/L Dilution Factor: 2 MDL..... 9.1 Potassium NT D 10000 ug/L SW846 6010B 07/24-08/08/07 J3EOWLAP Dilution Factor: 2 MDL.... 3270 Silver ND D 20.0 ug/L SW846 6010B 07/24-08/02/07 J3E0W1AQ

(Continued on next page)

MIDL..... 3.4

Dilution Factor: 2

Matrix....: WATER

Fluor Hanford Inc

Client Sample ID: B1NL87

DISSOLVED Metals

Lot-Sample #...: F7G230215-003

Matrix....: WATER

PARAMETER Sodium	RESULT 15100 D	REPORTING LIMIT 10000 Dilution Fact	UNITS ug/L	METHOD SW846 6010B MDL: 157	PREPARATION- ANALYSIS DATE 07/24-08/08/07	WORK ORDER # J3E0WLAR
Strontium	285 D	100 Dilution Fact	ug/L or: 2	SW846 6010B	07/24-08/02/07	J3B0WlAT
Vanadium	12.5 B,D	100 Dilution Fact	ug/L .or: 2	SW846 6010B	07/24-08/02/07	J3E0WLAU
Zinc	ND D	40.0 Dilution Fact	ug/L	SW846 6010B	07/24-08/02/07	J3E0W1AV

NOTE(S):

D Result was obtained from the analysis of a dilution.

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: BlNL83

DISSOLVED Metals

Lot-Sample #...: F7G230215-005

Date Sampled...: 07/20/07

Date Received..: 07/21/07

Matrix....: WATER

		REPORTI	1G		PREPARATION-	WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOD	ANALYSIS DATE	ORDER #
Prep Batch #	.: 7205274					
Antimony	ND D	120	ug/L	SW846 6010B	07/24-08/02/07	J3E001AA
		Dilution Fac	tor: 2	MDL 89.7		
Barium	54.9 B,D	400	ug/L	SW846 6010B	07/24-08/02/07	J3E001AC
		Dilution Fac	tor: 2	MDL 10.0		
Beryllium	ND D	10.0	ug/L	SW846 6010B	07/24-08/02/07	J3E001AD
		Dilution Fac	tor: 2	MDL 2.1		
Cadmium	ND D	10.0	ug/L	SW846 6010B	07/24-08/02/07	J3E001AE
		Dilution Fac	tor: 2	MDL 7.1		
Calcium	55200 D	10000	ug/L	SW846 6010B	07/24-08/02/07	J3E001AF
		Dilution Fac	tor: 2	MDL 200		
Chromium	ND D	20.0	ug/L	SW846 6010B	07/24-08/02/07	J3E001AG
		Dilution Fac	tor: 2	MDL 4.9		
Cobalt	ND D	100	ug/L	SW846 6010B	07/24-08/02/07	J3E001AH
		Dilution Fac	tor: 2	MDL 4.0		
Copper	MD D	50.0	ug/L	SW846 6010B	07/24-08/02/07	J3E001AJ
		Dilution Fac	tor: 2	MDL 3.9		
Iron	ND D	200	ug/L	SW846 6010B	07/24-08/02/07	J3B001AK
		Dilution Fac	tor: 2	MDL 37.2		
Magnesium	14700 D	10000	ug/L	SW846 6010B	07/24-08/02/07	J3B001AL
		Dilution Pac	tor: 2	MDL 256		
Manganese	4.0 B,D	30.0	ug/L	SW846 6010B	07/24-08/02/07	J3R001AM
		Dilution Fac	tor: 2	MDL 2.1		
Nickel	ND D	80.0	ug/L	SW846 6010B	07/24-08/02/07	J3E001AN
		Dilution Fac	tor: 2	MDL 9.1		
Potassium	ם סאו,	10000	ug/L	SW846 6010B	07/24-08/08/07	J3E001AP
		Dilution Fac	tor: 2	MDL 3270		
Silver	ND D	20.0	ug/L	SW846 6010B	07/24-08/02/07	J3E001AQ
		Dilution Fac	tor: 2	MDL 3.4		

Fluor Hanford Inc

Client Sample ID: BINL83

DISSOLVED Metals

Lot-Sample #...: F7G230215-005

Matrix....: WATER

		REPORTIN	1G		PREPARATION-	WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOD	ANALYSIS DATE	ORDER #
Sodium	17200 D	10000	ug/L	SW846 6010B	07/24-08/08/07	J3E001AR
		Dilution Fac	tor: 2	MDL: 157		
Strontium	313 D	100	ug/L	SW846 6010B	07/24-08/02/07	J3R001AT
		Dilution Fac	tor: 2	MDL 1.1		
Vanađium	ND D	100	ug/L	SW846 6010B	07/24-08/02/07	J3E001AU
		Dilution Fac	tor: 2	MDL 12.1		
Zinc	ND D	40.0	ug/L	SW846 6010B	07/24-08/02/07	J3E001AV
		Dilution Fac	tor: 2	MDL 19.3		
NOTE(S):						

D Result was obtained from the analysis of a dilution.

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #: SL702	Matrix: WATER

CIICHE DOC 4	. 52,02						
PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD		PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #				198079 SW846 '	74703	07/17/07	J21CT1AA
Mercury	ND	0.20 Dilution Factor	ug/L or: 1	5W646	/4 / U.A	07/17/07	OZICIIM
MB Lot-Sample #	- F7G170000-	253 Prep Ba	tch #: 7	198253			
Lithium	ND	50.0	ug/L	SW846	6010B	07/17-07/25/07	J22C51AX
		Dilution Facto	or: 1				
Aluminum	ND	200	ug/L	SW846	6010B	07/17-07/25/07	J22C51A0
		Dilution Facto	or: 1				
Antimony	ND	60.0	ug/L	SW846	6010B	07/17-07/26/07	J22C51AA
		Dilution Facto	-				
Barium	ND	200	ug/L	SW846	6010B	07/17-07/26/07	J22C51AC
		Dilution Facto					
Beryllium	ND	5.0	ug/L	SW846	6010B	07/17-07/26/07	J22C51AD
Beryrrum	ND	Dilution Facto	•	5015	•••	,, ,	
Cadmium	ND	5.0	ug/L	SW846	6010B	07/17-07/26/07	J22C51AE
Countain		Dilution Fact	•				
Calcium	ND .	5000	ug/L	SW846	6010B	07/17-07/26/07	J22C51AF
		Dilution Fact					
Chromium	ND	10.0	ug/L	SW846	6010B	07/17-07/26/07	J22C51AG
		Dilution Fact	-				
Cobalt	ND	50.0	ug/L	SW846	6010B	07/17-07/26/07	J22C51AH
		Dilution Fact	or: 1				
Copper	ND	25.0	ug/L	SW846	6010B	07/17-07/26/07	J22C51AJ
		Dilution Fact	or: 1				
Iron	ND	100	ug/L	SW846	6010B	07/17-07/25/07	J22C51AK
		Dilution Fact	or: 1				
Magnesium	ND	5000	ug/L	SW846	6010B	07/17-07/26/07	J22C51AL
-		Dilution Fact	-				
Manganese	ND	15.0	ug/L	SW846	6010B	07/17-07/26/07	J22C51AM
•		Dilution Fact	-				

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #	: SL702				M	atrix WA	rer
		REPORTING	:			PREPARATION-	WORK
PARAMETER	RESULT	LIMIT	UNITS	METHO	D	ANALYSIS DATE	ORDER #
Nickel	ND	40.0	ug/L	SW846	6010B	07/17-07/26/07	J22C51AN
		Dilution Facto	or: 1				
Potassium	ND	5000	ug/L	SW846	6010B	07/17-07/25/07	J22C51AP
		Dilution Facto	or: 1				
Silver	ND	10.0	ug/L	SW846	6010B	07/17-07/26/07	J22C51AQ
		Dilution Facto	or: 1				
Sodium	ND	5000	ug/L	SW846	6010B	07/17-07/25/07	J22C51AR
		Dilution Facto	or: 1				
Strontium	ND	50.0	ug/L	SW846	6010B	07/17-07/26/07	J22C51AT
		Dilution Facto	or: 1			·	
Vanadium	ND	50.0	ug/L	SW846	6010B	07/17-07/26/07	J22C51AU
		Dilution Facto	or: 1				
Zinc	ND	20.0 Dilution Facto	ug/L	SW846	6010B	07/17-07/26/07	J22C51AV
MB Lot-Sample #	: F7G170000- ND	253 Prep Ba 10.0 Dilution Factor	ug/L	198385 SW846	6020	07/17-08/11/07	J22C5LAW
Lead	ND	3.0 Dilution Facto	ug/L or: 1	SW846	6020	07/17-08/11/07	J22C51A1
MB Lot-Sample # Antimony	: F7G230000- ND	270 Prep Ba 60.0 Dilution Facto	ug/L		6010B	07/23-08/09/07	J3D3W1AA
Barium	ND	200 Dilution Facto	ug/L or: 1	SW846	6010B	07/23-08/09/07	J3D3W1AC
Beryllium .	ND	5.0 Dilution Facto	ug/L or: 1	SW846	6010B	07/23-08/09/07	J3D3W1AD
Cadmium	ND	5.0 Dilution Facto	ug/L or: 1	SW846	6010B	07/23-08/09/07	J3D3W1AE
Calcium	ND	5000	ug/L	SW846	6010B	07/23-08/09/07	J3D3W1AF

(Continued on next page)

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #	: SL702			M	atrix: WA	rer
		REPORTI	NG	•	PREPARATION-	WORK
PARAMETER	RESULT	LIMIT	UNITS	METHOD	ANALYSIS DATE	
Chromium	ND	10.0	ug/L	SW846 6010B	07/23-08/09/07	J3D3W1AG
		Dilution Fac	ctor: 1			
Cobalt	ND	50.0	ug/L	SW846 6010B	07/23-08/09/ 07	J3D3W1AH
		Dilution Fac	ctor: 1			
Copper	ND	25.0	ug/L	SW846 6010B	07/23-08/09/07	J3D3W1A
		Dilution Fac	ctor: 1			
Iron	ND	100	ug/L	SW846 6010B	07/23-08/09/07	J3D3W1AF
		Dilution Fac	ctor: 1			
Magnesium	ND	5000	ug/L	SW846 6010B	07/23-08/09/07	J3D3W1AI
_		Dilution Fa	ctor: 1			
Manganese	1.8 B	15.0	ug/L	SWB46 6010B	07/23~08/09/07	J3D3W1A
_		Dilution Fa	ctor: 1			
Nickel	ND	40.0	ug/L	SW846 6010B	07/23-08/09/07	J3D3W1AN
		Dilution Fa	ctor: 1			
Potassium	2260 B	5000	ug/L	SW846 6010B	07/23-08/08/07	J3D3W1AE
		Dilution Fac	ctor: 1			
Silver	ND	10.0	ug/L	SW846 6010B	07/23-08/09/07	J3D3W1AC
		Dilution Fa	ctor: 1			
Sodium	ND	5000	ug/L	SW846 6010B	07/23-08/08/07	J3D3W1AF
		Dilution Fa	_			
Strontium	ND	50.0	ug/L	SW846 6010B	07/23-08/09/07	J3D3W1A7
		Dilution Fa	- :			
Vanadium	ND	50.0	ng/L	SW846 6010B	07/23-08/09/07	J3D3W1AU
	212	Dilution Fa	-	2	.,	
Zinc	ND	20.0	ug/L	SW846 6010B	07/23-08/09/07	A I WE CIET.
21110		Dilution Fa	-	2	01, 20 01, 11, 11	
						•.
	e #: F7G23000			: 7204274 SW846 6020	07/23-08/11/07	T2D2A1A1
Arsenic	ND	10.0	ug/L	5W546 6U2U	0//23-08/11/0/	O SUSTAN

(Continued on next page)

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL702

Matrix :: WATER PREPARATION-WORK REPORTING ANALYSIS DATE ORDER # PARAMETER RESULT LIMIT UNITS METHOD MB Lot-Sample #: F7G240000-274 Prep Batch #...: 7205274 07/24-08/02/07 J3F1Q1AA Antimony 60.0 ug/L SW846 6010B Dilution Factor: 1 SW846 6010B 07/24-08/02/07 J3F1Q1AC Barium ND 200 ug/L Dilution Factor: 1 Beryllium ND ug/L SW846 6010B 07/24-08/02/07 J3F1Q1AD Dilution Factor: 1 Cadmium ND 5.0 ug/L SW846 6010B 07/24-08/02/07 J3F1Q1AE Dilution Factor: 1 07/24-08/02/07 J3F1Q1AF Calcium ND 5000 SW846 6010B ug/L Dilution Factor: 1 07/24-08/02/07 J3F1Q1AG Chromium ND 10.0 ug/L SW846 6010B Dilution Factor: 1 07/24-08/02/07 J3F1Q1AH Cobalt ND 50.0 SW846 6010B ug/L Dilution Factor: 1 07/24-08/02/07 J3F1Q1AJ 25.0 SW846 6010B ND ug/L Copper Dilution Factor: 1 SW846 6010B 07/24-08/02/07 J3F1Q1AK Iron ND 100 ug/L Dilution Factor: 1 SW846 6010B 07/24-08/02/07 J3F1Q1AL Magnesium ND 5000 ug/L Dilution Factor: 1 07/24-08/02/07 J3F1Q1AM Manganese ND 15.0 ug/L SW846 6010B Dilution Factor: 1 07/24-08/02/07 J3F1Q1AN Nickel ND 40.0 uq/L SW846 6010B Dilution Factor: 1 Potassium ND 5000 ug/L SW846 6010B 07/24-08/08/07 J3F1Q1AP Dilution Factor: 1 Silver ND ug/L SW846 6010B 07/24-08/02/07 J3F1Q1AQ Dilution Factor: 1 Sodium ND 5000 ug/L SW846 6010B 07/24-08/08/07 J3F1Q1AR

(Continued on next page)

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: SL702

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Strontium	ND	50.0	ug/L	SW846 6010B	07/24-08/02/07	J3F1Q1AT
		Dilution Facto	or: 1			
Vanadium	ND	50.0	ug/L	SW846 6010B	07/24-08/02/07	J3F1Q1AU
		Dilution Facto	r: 1			
Zinc	ND	20.0	ug/L	SW846 6010B	07/24-08/02/07	J3F1Q1AV
		Dilution Facto	r: 1			

Matrix....: WATER

NOTE(S):

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot	#: SL7	02				1	Matrix:	WATER
PARAMETER	SPIKE AMOUNT	MEASURE AMOUNT	D UNITS	PERCNT RECVRY	METHOD		PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sam Mercury	p le#: F70	0.932	79 Prep Bat ug/L Dilution Factor	93	: 719807 SW846 7		07/17/07	J21CT1AC
LCS Lot-Sam Lithium	pl e#: F7G 1000	967	53 Prep Bat ug/L Dilution Factor	97	: 719825 SW846 6		07/17-07/25/07	J22C51CN
Aluminum	500	512	ug/L Dilution Factor	102 c: 1	SW846 6	010B	07/17-07/25/07	J22C51CP
Antimony	500	469	ug/L Dilution Factor	9 4 r: 1	SW846 6	010B	07/17-07/26/07	J22C51A2
Barium	500	467	ug/L Dilution Factor	93 r: 1	SW846 6	010B	07/17-07/26/07	J22C51A3
Beryllium	500	486	ug/L Dilution Factor	97 r: 1	SW846 6	010B	07/17-07/26/07	J22C51 A4
Cadmium	500	484	ug/L Dilution Factor	97 r: 1	SW846 6	010B	07/17-07/26/07	J22C51A5
Calcium	10000	10000	ug/L Dilution Facto	100 r: 1	SW846 6	010B	07/17-07/26/07	J22C51A6
Chromium	500	468	ug/L Dilution Factor	9 4 r: 1	SW846 6	010B	07/17-07/26/07	J22C51A7
Cobalt	500	456	ug/L Dilution Factor	91 r: 1	SW846 6	010B	07/17-07/26/07	J22C51A8
Copper	500	468	ug/L Dilution Factor	94 r: 1	SW846 6	010B	07/17-07/26/07	J22C51A9
Iron	500	487	ug/L Dilution Pacto	97 r: 1	SW846 6	010B	07/17-07/25/07	J22C51CA
Magnesium	10000	10100	ug/L Dilution Factor	101 r: 1	SW846 6	010B	.07/17-07/26/07	J22C51CC

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot	:: SL7	02		Matrix:	WATER			
PARAMETER	SPIKE AMOUNT	MEASUR AMOUNT		PERCNT		D	PREPARATION- ANALYSIS DATE	WORK ORDER #
Manganese	500	474	ug/L	95	SW846	6010B	07/17-07/26/07	J22C51CD
_			Dilution Factor	: 1				
Nickel	500	468	ug/L Dilution Factor		SW846	6010B	07/17-07/26/07	J22C51CE
			211401041 140004					
Potassium	10000	10200	ug/L Dilution Factor		SW846	6010B	07/17-07/25/07	J22C51CF
Silver	125	120	ug/L	0.6	CMOAE	6010B	07/17-07/26/07	.70006100
Silver	125	120	Dilution Factor		DWO40	60100	07/17-07/26/07	022C51CG
Sodium	10000	9900	ug/L	99	QWR46	6010B	07/17-07/25/07	.T22C51CH
boaram	10000	3300	Dilution Factor		D#040	00102	01,11 01,23,01	02203201.
Strontium	500	504	ug/L	101	SW846	6010B	07/17-07/26/07	J22C51CJ
D 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0			Dilution Factor		5.,010	****	0., _, 0., _0,	
Vanadium	500	465	ug/L	93	SW846	6010B	07/17-07/26/07	J22C51CK
			Dilution Factor					
Zinc	500	506	ug/L	101	SW846	6010B	07/17-07/26/07	J22C51CL
			Dilution Factor	: 1				
LCS Lot-Same	ole#: F7G	170000-	253 Prep Bat	ch #	: 7198	385		
Arsenic	500	526	ug/L	105	SW846		07/17-08/11/07	J22C51CM
			Dilution Factor	: 1				
Lead	500	534	ug/L	107	SW846	6020	07/17-08/11/0 7	J22C51CQ
			Dilution Factor	: 1				
_			270 Prep Bat		: 7204	270		
Antimony	500	521	ug/L Dilution Factor	104	SW846	6010B	07/23-08/09/07	J3D3W1AW
			Dilution Factor	: 1				
Barium	500	543	ug/L	109	SW846	6010B	07/23-08/09/07	J3D3W1AX
			Dilution Factor	1 1				
Beryllium	500	556	ug/L	111	SW846	6010B	07/23-08/09/07	J3D3W1A0
			Dilution Factor	: 1				
Cadmium	500	547	ug/L	109	SW846	6010B	07/23-08/09/07	J3D3W1A1
			Dilution Factor	: 1				

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL702 Matrix....: WATER

	SPIKE	MEASURI		PERCNT			PREFARATION-	WORK
PARAMETER	AMOUNT	AMOUNT	<u>UNITS</u>	RECVRY			ANALYSIS DATE	
Calcium	10000	10500	ug/L	105	SW846	6010B	07/23-08/09/07	J3D3W1A2
			Dilution Factor	: 1				
Chromium	500	542	ug/L	108	SW846	6010B	07/23-08/09/07	J3D3W1A3
			Dilution Factor	: 1				
Cobalt	500	523	ug/L	105	SW846	6010B	07/23-08/09/07	J3D3WlA4
			Dilution Factor	: 1	÷			
Copper	500	532	ug/L	106	SW846	6010B	07/23-08/09/07	J3D3W1A5
			Dilution Factor	: 1				
Iron	500	573	ug/L	115	SW846	6010B	07/23-08/09/07	J3D3W1A6
			Dilution Factor				, , , , , , , , , , , , , , , , , , , ,	
Magnesium	10000	10400	ug/L	104	SW846	6010B	07/23-08/09/07	J3D3W1A7
-			Dilution Factor					
Manganese	500	550	ug/L	110	SW846	6010B	07/23-08/09/07	J3D3W1A8
			Dilution Factor	: 1				
Ni alaa I	500	* 24	/7	107	0W0 4 C	C010D	07/02 00/00/07	T2D2W130
Nickel	500	534	ug/L	107	SW846	6010B	07/23-08/09/07	DSDSMINS
			Dilution Factor	: 1				
Potassium	10000	10900	ug/L	109	SWB46	6010B	07/23-08/08/07	J3D3W1CA
			Dilution Factor				• • •	
Silver	125	132	ug/L	105	SW846	6010B	07/23-08/09/07	J3D3W1CC
			Dilution Factor	: 1				
Sodium	10000	9900	uq/L	99	SW846	6010B	07/23-08/08/07	J3D3W1CD
		5500	Dilution Factor		2,,010		0.,122 00,00,00	55555
Strontium	500	582	ug/L	116	SW846	6010B	07/23-08/09/07	J3D3W1CE
			Dilution Factor	: 1				•
Vanadium	500	534	/ T	107	ana e	C010B	07/23-08/09/07	TO DOM! OF
vanacium	500	534	ug/L		SW846	6010B	07/23-08/09/07	03D3WICE
			Dilution Factor	: 1				
Zinc	500	580	ug/L	116	SW846	6010B	07/23-08/09/07	J3D3W1CG
- 			Dilution Factor				,,, •-	

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot	: SL7	Matrix:	WATER				
PARAMETER	SPIKE	MEASUR AMOUNT		PERCNI	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
	·		274 Prep Bat				<u> </u>
Arsenic	500	518	ug/L Dilution Factor	104	SW846 6020	07/23-08/11/07	J3D301AC
LCS Lot-Samo	le#: F70	240000-	274 Prep Bat	ch #	· 7205274		
Antimony	500	494	ug/L Dilution Facto	99	SW846 6010B	07/24-08/02/07	J3F1Q1AW
Barium	500	500	ug/L Dilution Facto		SW846 6010B	07/24-08/02/07	J3F1Q1AX
Beryllium	500	523	ug/L Dilution Facto		SW846 6010B	07/24-08/02/07	J3F1Q1A0
Cadmium	500	508	ug/L Dilution Facto		SW846 6010B	07/24-08/02/07	J3F1Q1A1
Calcium	10000	10100	ug/L Dilution Facto		SW846 6010B	07/24-08/02/07	J3F1Q1A2
Chromium	500	503	ug/L Dilution Facto		SW846 6010B	07/24-08/02/07	J3F1Q1A3
Cobalt	500	488	ug/L Dilution Facto		SW846 6010B	07/24-08/02/07	J3F1Q1A4
Copper	500	492	ug/L Dilution Facto		SW846 6010B	07/24-08/02/07	J3F1Q1A5
Iron	500	565	ug/L Dilution Facto		SW846 6010B	07/24-08/02/07	J3F1Q1A6
Magnesium	10000	10200	ug/L Dilution Facto		SW846 6010B	07/24-08/02/07	J3F1Q1A7
Manganese	500	507	ug/L Dilution Facto	101 r: 1	SW846 6010B	07/24-08/02/07	J3 F1Q1A8
Nickel	500	494	ug/L Dilution Facto	99 r: 1	SW846 6010B	07/24-08/02/07	J3F1Q1Ā9
Potassium	10000	10300	ug/L Dilution Facto	103 r: 1	SW846 6010B	07/24-08/08/07	J3F1Q1CA

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL702

Matrix..... WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHO	D	PREPARATION- ANALYSIS DATE	WORK ORDER #
Silver	125	123	ug/L	99	SW846	6010B	07/24-08/02/07	J3F1Q1CC
		D.	ilution Factor	: 1				
Sodium	10000	9920	ug/L	99	SW846	6010B	07/24-08/08/07	J3F1Q1CD
		D:	ilution Factor	: 1				
Strontium	500	530	ug/L	106	SW846	6010B	07/24-08/02/07	J3F101CE
			ilution Factor		2		0.,00,00,00	
Vanadium	500	499	ug/L	100	CMO A E	6010B	07/24-08/02/07	77 27 01 72
variaurum	300		ilution Factor	-	5#0#0	4010B	07/24-08/02/07	OSTIGICE
Zinc	500	530	ug/L	106	SW846	6010B	07/24-08/02/07	J3F1Q1CG
		D	ilution Factor	: 1			,	

NOTE(S):

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lo			07	Date Rece	eived: 0	7/13/0	07	Matr	ix WAT	ER
PARAMETER	SAMPLE AMOUNT		MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOL)	PREPARATION - ANALYSIS DATE	WORK ORDER #
	ample #:	F7G130	260-001	Prep Bato	:h #: 7	19807	9			
Mercury	MD	1.00	1.01	ug/L	101		SW846	74703	07/17/07	J2VPKlA7
	ND ND	1.00	1.01	ug/L ug/L	101	2.9			07/17/07	J2VPK1A8
	ND	1.00		tion Factor		2,	2		- , . , .	
MS Lot-Sa	ample#:	F7G130	260-001	Prep Bate	:h #: 7	19825	3			
Lithium										
	ND	1000		ug/L	105		SW846		07/17-07/25/07	
	ND	1000	1040 D	٠,	104	1.0	SW846	6010B	07/17-07/25/07	UZVPKICL
			Dilu	tion Factor	: 2					
Aluminum										
711 (din 1 1 1 din	ND	1000	1160 D	ug/L	116		SW846	6010B	07/17-07/25/07	J2VPK1CE
	ND	1000	1160 D		116	0.08	SW846	6010B	07/17-07/25/07	
			Dilu	tion Factor	: 2					
Antimony										
	ND	250	248 D	ug/L	99			6010B	07/17-07/26/07	
	ND	250	252 D	ug/L	101	1.9	SW846	6010B	07/17-07/26/07	J2VPK1CF
			Dilu	tion Factor	: 2					
Barium										
	38.2	1000	998 D	ug/L	96			6010B	07/17-07/26/07	
	38.2	1000	1030 D	-	99	3.3	SW846	6010B	07/17-07/26/07	J2VPK1CF
			Dilu	tion Factor	: 2					i i
Berylliu	m									
	1.9	25.0	25.9 D	ug/L	96		SW846	6010B	07/17-07/26/07	J2VPK1CI
	1.9	25.0	26.6 D	ug/L	99	2.8	SW846	6010B	07/17-07/26/07	J2VPK1CM
			Dilu	tion Factor	: 2					
Cadmium										
Caunitum	ND	25.0	24.9 D	ug/L	100		SW846	6010B	07/17-07/26/07	J2VPK1C
	ND	25.0	25.2 D		101	1.4	SW846		07/17-07/26/07	J2VPK1C
				tion Factor						
Calcium	43.000	25025	C4200	D=/T	or	•	CWOAC	6010P	07/17-07/26/07	יין נאסטיכד.
	41000	25000	64700 I		95 104	3.4		6010B 6010B	07/17-07/26/07	
	41000	25000	67000	p ug/b	TOF	2.4	24040	OUTOD	0.71. 07,20,07	

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL702

Matrix....: WATER

Date	Sampled.	:	07	/12	/07	
Darce	DOME TOW.		· • •	,,		

Date Received..: 07/13/07

	SAMPLE		MEASRD		PERCNT			_	PREPARATION-	WORK
PARAMETE	AMOUNT	<u>AMT</u>	AMOUNT	UNITS	RECVRY	RPD	METHOI		ANALYSIS DATE	ORDER #
Chromium				. _					/ !0 -</td <td>*********</td>	*********
	6.0	100	104 D	ug/L	98			6010B	07/17-07/26/07	
	6.0	100	105 D	ug/L	99	0.88	SW846	6010B	07/17-07/26/07	J2VPK1CU
			Dilut	ion Factor: 2						
Cobalt) _					00/10 00/00/00	
	ND	250	235 D	ug/L	94			6010B	07/17-07/26/07	
	ND	250	242 D	ug/L	97	2.9	SW846	6010B	07/17-07/26/07	J2VPK1CW
			Dilut	ion Factor: 2						
Copper									///	
	ND	125	121 D	ug/L	97			6010B	07/17-07/26/07	
	ND	125	122 D	ug/L	98	0.72	SW846	6010B	07/17-07/26/07	J2VPK1C0
			Dilut	ion Factor: 2						
_										
Iron				4-						
	ND	500	554 D	ug/L	111			6010B	07/17-07/25/07	
	ND	500	556 D	ug/L	111	0.33	SW846	6010B	07/17-07/25/07	J2VPKIC2
			Dilut	ion Factor: 2						
Magnesiw				4-						
	13300	25000	38900 D		102			6010B	07/17-07/26/07	
	13300	25000	40000 D	-	107	2.8	SW846	6010B	07/17-07/26/07	J2VPK1C4
			Dilut	ion Factor: 2						
Manganes				4-					A-/ A-/A-/A-	T0110111 AF
	3.3	250	246 D	ug/L	97			6010B	07/17-07/26/07	
	3.3	250	253 D	ug/L	100	2.8	SW846	6010B	07/17-07/26/07	32VPKIC6
			Dilut	ion Factor: 2						
AP-1 _1 1		•								
Nickel	AVE	222	222 2	/*	0.5		C140 4 C	CO10D	07/17-07/26/07	7017DW1 (77
	ND	250	239 D	ug/L	96	~ .		6010B	07/17-07/26/07	
	ND	250	248 D	ug/L	99	3.4	SW846	6010B	0//1/-0//26/0/	J2VPK1C8
			Dilut	ion Factor: 2						
Datasalin	_									
Potassiu		25000	32000 D	12-14	101		CMOAC	6010B	07/17-07/25/07	TOURKI CO
	6670		30100 D		101	<i>c</i> 1		6010B	07/17-07/25/07	
	6670	25000		ion Factor: 2	94	6.1	D#0#0	90100	01/11-01/25/01	02 VPKIDA
			DIIUC	10f Factor: 2						
Silver	•									
SITAGE	ND	25.0	27.1 D	ng/L	108		QW94F	6010B	07/17-07/26/07	יות נאקעיכד.
	ND	25.0	26.3 D	_	105	2 0		6010B	07/17-07/26/07	
	MTA	∠ ⇒. ∪		ion Factor: 2	103	2.8	34040	30100	01/41-01/20/01	OZ VERIDU
			DITTUE	TOU FACTOR: 2						

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL702

Date Sampled...: 07/12/07

Date Received..: 07/13/07

Matrix....: WATER

PARAMETE Sodium	17000				PERCNT RECVRY		METHOI SW846 SW846	6010B	PREPARATION- ANALYSIS DATE 07/17-07/25/07 07/17-07/25/07	
	17000	25000		D ug/L lution Factor: 2	105	0.63	5W846	POIOR	07/17-07/25/07	75 ABKIDE
			21.	duction ractor, 2						
Strontiu	m									
	185	500	700 D	ug/L	103			6010B	07/17-07/26/07	
	185	500	724 D	ug/L	108	3.4	SW846	6010B	07/17-07/26/07	J2VPK1DH
			Di.	lution Factor: 2						
Vanadium										
	25.3	250	265 D	ug/L	96		SW846	6010B	07/17-07/26/07	J2VPK1DJ
	25.3	250	271 D	ug/L	98	2.4	SW846	6010B	07/17-07/26/07	J2VPK1DK
			D1	ution Factor: 2						
Zinc	17D	050	004 0		110		G770.4.6	60100	05/15 05/05/05	TOT TO \$ 2
	ND ND	250 250	274 D 275 D		110 110	0 00		6010B 6010B	07/17-07/26/07 07/17-07/26/07	
	ND	250		ug/L lution Factor: 2	110	0.03	5W846	POTOB	01/11-01/26/01	DZVPKIA4
			D1.	iution factor: 2						
MS Lot-S Arsenic	ample #:	F7G1302	50-001	Prep Batch	# : 7:	19838	5			
	2.2	1000	1050	ug/L	105		SW846	6020	07/17-08/11/07	J2VPK1A9
	2.2	1000	1040	ug/L	104	1.1	SW846	6020	07/17-08/11/07	
			Di	lution Factor: 1						
- -										
Lead	ND	250	266	11G /T	106		SW846	6020	07/17_00/11/07	TOUDEL A F
	ND ND	250	264	ug/L ug/L	106	0.60	SW846		07/17-08/11/07 07/17-08/11/07	
	170	230		lution Factor: 1	700	0.00	SHORD	0020	01/11-00/11/07	OZALVINO
			<i>D</i> 1.	Factor: 1						

NOTE(S):

D Result was obtained from the analysis of a dilution.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL702 Matrix....: WATER

	SAMPLE	SPIKE	MEASRD		PERCNT		PREPARATION-	WORK
PARAMETE	R AMOUNT	AMT	AMOUNT	UNITS	RECVRY RPD	METHOD	ANALYSIS DATE	ORDER #
MS Lot-S	ample #:	F7G1702	50-001	Pren Batch :	#: 720427	'n		
Antimony	_	1,01,01	30 001	THE DUCCE	Will JEOTE	·		
	ND	250	240 D	ug/L	96	SW846 6010B	07/23-08/09/07	
	ND	250	245 D	ug/L	98 2.2	SW846 6010B	07/23-08/09/07	J22LK1AX
			Dilut	ion Factor: 2				
Barium								
	59.8	1000	1060 D	ug/L	100	SW846 6010B	07/23-08/09/07	J22LK1A0
	59.8	1000	1080 D	ug/L	102 1.8	SW846 6010B	07/23-08/09/07	
			Dilut	ion Factor: 2				
								
Berylliu	m ND	25.0	27 0 5	/7	300	SW846 6010B	07/33 09/09/03	T221 W1 32
	ND	25.0	27.0 D 27.6 D	ug/L ug/L	108 110 2.2	SW846 6010B	07/23-08/09/07 07/23-08/09/07	
	AD	23.0		ion Factor: 2	110 2,2	3#840 0010B	07/25-00/03/07	UZZHKIAS
Cadmium								
	ND	25.0	25.1 D	ug/L	101	SW846 6010B	07/23-08/09/07	
	ND	25.0	25.4 D	ug/L	102 1.0	SW846 6010B	07/23-08/09/07	J22LK1A5
			Dilut	ion Factor: 2				
Calcium								
	54900	25000	77500 D	ug/L	90	SW846 6010B	07/23-08/09/07	J22LK1A6
	54900	25000	78900 D	ug/L	96 1.7	SW846 6010B	07/23-08/09/07	J22LK1A7
		4	Dilut	ion Factor: 2				
Chromium								
CHIOMITAM	10.6	100	112 D	uq/L	101	SW846 6010B	07/23-08/09/07	J22LK1A8
	10.6	100	111 D	ug/L	100 1.0	SW846 6010B	07/23-08/09/07	
			Dilut	ion Factor: 2		-		
Cobalt				4-				
	ND ND	250 250	241 D 243 D	ug/L	96	SW846 6010B	07/23-08/09/07 07/23-08/09/07	
	ND	250		ug/L ion Factor: 2	97 1.0	SW846 6010B	07/23-08/09/07	J22LKICC
			DIIUC	rector: 2				
Copper								
	ND	125	123 D	ug/L	98	SW846 6010B	07/23-08/09/07	
	ND	125	121 D	ug/L	97 .1.0	SW846 6010B	07/23-08/09/07	J22LK1CE
			Dilut	ion Factor: 2				

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL702

Matrix..... WATER

Date Sampled...: 07/16/07

Date Received..: 07/17/07

	and a									
DATA MEMBE	SAMPLE		MEASRD	*********	PERCNT			_	PREPARATION-	WORK
PARAMETEI Iron	AMOUNT	APIT	AMOUNT	UNITS	RECVRY	KPD	METHO	<u> </u>	ANALYSIS DATE	ORDER #
11011	40.6	500	552 D	ug/L	102		CWO15	6010B	07/23-08/09/07	.T22T.F1.CF
	40.6	500	515 D	ug/L	95	6.9		6010B	07/23-08/09/07	
	40.0	500		ion Factor: 2	95	6.9	SMOAG	0010B	01/23-06/09/01	UZZDRICG
			DIIQ	IOH FACCOL: 2						
Magnesium	1									
	17600	25000	41300 D	na/r	95		SW846	6010B	07/23-08/09/07	J22LK1CH
	17600	25000	42100 D		98	1.8		6010B	07/23-08/09/07	
				ion Factor: 2					, , ,	
Manganese	•									
	ND	250	254 D	ug/L	101		SW846	6010B	07/23-08/09/07	J22LK1CK
	ND	250	259 D	ug/L	103	1.8	SW846	6010B	07/23-08/09/07	J22LK1CL
			Dilut	ion Factor: 2						
Nickel				t						
	ND	250	246 D	ug/L	98			6010B	07/23-08/09/07	
	ND	250	248 D	ug/L	99	0.96	SW846	6010B	07/23-08/09/07	J22LK1CN
			Dilut	ion Factor: 2						
Potassium	•									
rocassian	6370	25000	32500 D	110 /T.	105		CMBVC	6010B	07/23-08/08/07	.T227.W1.CD
	6370	25000	27900 D		86	15		6010B	07/23-08/08/07	
	0070	-5000		ion Factor: 2	00	1.7	24040	OOLOD	07/23-00/00/07	DZZIMICQ
			V2200	2011 120001 . 2						
Silver										
	ND	25.0	26.1 D	ug/L	94		SW846	6010B	07/23-08/09/07	J22LK1CR
	ND	25.0	23.0 D	ug/L	82	13	SW846	6010B	07/23-08/09/07	
			Dilut	ion Factor: 2						
Sodium										
	15700	25000	41900 D	•	105		SW846	6010B	07/23-08/08/07	J22LK1CU
	15700	25000	40700 D	-	100	2.8	SW846	6010B	07/23-08/08/07	J22LK1CV
			Dilut	ion Pactor: 2						
54	_									
Strontium		E00	704 D	/7	100		G140.4.6	C0165	05/00 05/00/05	T007 777 677
	255	500	784 D	ug/L	106			6010B	07/23-08/09/07	
	255	500	798 D	ug/L ion Factor: 2	109	1.7	5W846	6010B	07/23-08/09/07	022LKICX
			חדות	LON FACTOR: 2						
Vanadium	·.									
	26.4	250	270 D	ug/L	98		SW846	6010B	07/23-0B/09/07	J22LK1C0
	26.4	250	273 D	ug/L	99	1.0		6010B	07/23-08/09/07	
				ion Factor: 2	=			· -	,== ==,==,=,	

STL ST. LOUIS RECEIVED AUGUST 24, 2007

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL702

Date Sampled...: 07/16/07

Date Received..: 07/17/07

Matrix..... WATER

PARAMETER Zinc	SAMPLE AMOUNT		MEASRD AMOUNT	UNITS	PERCINT RECVRY F	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
21114	ND ND	250 250	274 D 280 D	ug/L ug/L	110 112 2			07/23-08/09/07 07/23-08/09/07	
	110	250		ion Pactor: 2				,	

NOTE (S):

D Result was obtained from the analysis of a dilution.

STL ST. LOUIS

RECEIVED AUGUST 24, 2007

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL702

Matrix....: WATER

Date Sampled...: 07/16/07

Date Received..: 07/17/07

SAMPLE SPIKE MEASRD PERCNT PREPARATION- WORK
PARAMETER AMOUNT AMT AMOUNT UNITS RECVRY RPD METHOD ANALYSIS DATE ORDER #

MS Lot-Sample #: F7G170298-001 Prep Batch #...: 7204274

Arsenic

2.7 1000 1050 ug/L 105 SW846 6020 07/23-08/11/07 J221T1AD 2.7 1000 1050 ug/L 104 0.36 SW846 6020 07/23-08/11/07 J221T1AE

Dilution Factor: 1

NOTE (S):

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL702

Matrix..... WATER

Date Sampled...: 07/20/07

Date Received..: 07/21/07

Dilution Factor: 1

PARAMETE	SAMPLE R AMOUNT		MEASRD AMOUNT	UNITS	PERCNT RECVRY RPI	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: Arsenic		F7G2101	54-001	Prep Batch	∦: 72042	74		
Arbenzo	5.6 5.6	1000 1000	1050 1050	ug/L ug/L	104 104 0.0	SW846 6020 1 SW846 6020	07/23-08/11/07 07/23-08/11/07	

NOTE(S):

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL702 Matrix....: WATER

Date Sampled...: 07/20/07 Date Received..: 07/21/07

PARAMETER	SAMPLE AMOUNT		MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sa	mple #:	F7G2302	15-001	Prep Batch :	#: 7:	20527	4		
Antimony	ND	250	231 D	ug/L	92		SW846 6010B	07/24-08/02/07	J3E001 AW
	ND	250	241 D	ug/L	97	4.3	SW846 6010B	07/24-08/02/07	
				ion Factor: 2					
Barium									
	43.1	1000	988 D	ug/L	95		SW846 6010B	07/24-08/02/07	_
	43.1	1000	1050 D	ug/L	101	6.5	SW846 6010B	07/24-08/02/07	J3E0Q1A1
			Dilut	ion Factor: 2					
Beryllium				(*	0.0		GWO46 CO10B	07/24-08/02/07	TOPACT
	ND	25.0		ug/L	99	<i>-</i> 7	SW846 6010B SW846 6010B	07/24-08/02/07	
	ND	25.0	26.6 D	ug/L ion Factor: 2	106	6.7	2M940 GOTOD	01/24-08/02/01	DIEOGINI
			DIIU	ion Factor: 2				•	
Cadmium									
	ND	25.0	24.2 D	ug/L	97		SW846 6010B	07/24-08/02/07	J3E0Q1A4
	ND	25.0	25.5 D	ug/L	102	5.4	SW846 6010B	07/24-08/02/07	J3E0Q1A5
			Dilut	ion Factor: 2					
Calcium									
	49500	25000	68400 D		76		SW846 6010B	07/24-08/02/07	
	49500	25000	73800 D	•	97	7.5	SW846 6010B	07/24-08/02/07	J3E0QLA7
			Dilut	ion Factor: 2					
~ 1									
Chromium	ND	100	98.3 D	ug/L	98		SW846 6010B	07/24-08/02/07	J3E001A8
	ND	100	105 D	ug/L	105	6.3	SW846 6010B	07/24-08/02/07	
	ND	100		ion Factor: 2	103	0.5		4.,,,	
Cobalt									
	ND	250	225 D	ug/L	90		SW846 6010B	07/24-08/02/07	
	ND	250	242 D	ug/L	97	6.9	SW846 6010B	07/24-08/02/07	J3E0Q1CC
			Dilut	ion Factor: 2					
Copper				£			5770.45 CO.	07/04 00/00/07	T3500100
	ND	125	114 D	ug/L	91	, <u>-</u>	SW846 6010B	07/24-08/02/07	
	ND	125	122 D	ug/L	97	6.7	SW846 6010B	07/24-08/02/07	PROOTCE
			Dilui	tion Factor: 2					

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL702 Matrix....: WATER

Date Sampled...: 07/20/07 Date Received..: 07/21/07

	SAMPLE	-	MEASRD		PERCNT				PREPARATION-	WORK
PARAMETE	R AMOUNT	<u>amt</u>	AMOUNT	UNITS	RECVRY	RPD	METHOD		ANALYSIS DATE	ORDER #
Iron				-					/ / /	
	ND	500	509 D	ug/L	102		SW846		07/24-08/02/07	
	ND	500	549 D	ug/L	110	7.6	SW846	5010B	07/24-08/02/07	J3E0Q1CG
			Dilut	ion Factor: 2						
Magnesiu				, _					n=/04 no/00/05	737005
	10300	25000	33100 D		91		SW846 6		07/24-08/02/07	
	10300	25000	35400 D		100	6.8	SW846	P010B	07/24-08/02/07	03E0GIC0
			Dilut	ion Factor: 2						
Manganag	•									
Manganes	e ND	250	238 D	ug/L	95		SW846 6	6010B	07/24-08/02/07	JECOLCK
	ND	250	254 D	ug/L	102	6.4	SW846		07/24-08/02/07	
	MD	230		ion Factor: 2	102	0.4	34040	30105	07/24-00/02/07	0.250.67.05
			DITUE	ION FACCOL: 2						
Nickel										
	ND	250	226 D	ug/L	91		SW846	6010B	07/24-08/02/07	J3E001CM
	ND	250	242 D	ug/L	97	6.8	SWB46		07/24-08/02/07	
				ion Factor: 2					,,,	
Potassiu	πι									
	7500	25000	26200 D	ug/L	75		SW846	6010B	07/24-08/08/07	J3E0Q1CP
	7500	25000	31800 D	ug/L	97	19	SW846 (6010B	07/24-08/08/07	J3E0Q1CQ
			Dilut	ion Factor: 2						
Silver										
	ND	25.0	24.2 D	ug/L	97		SW846	6010B	07/24-08/02/07	J3E0Q1CR
	ND	25.0	24.6 D	ug/L	98	1.4	SW846	6010B	07/24-08/02/07	J3E0Q1CT
			Dilut	ion Factor: 2						
Sodium										
	14300	25000	38600 D		97		SW846		07/24-08/08/07	
	14300	25000	37400 D		92	3.0	SW846	6010B	07/24-08/08/07	J3E0Q1CV
			Dilut	ion Factor: 2						
25 5	_									
Strontiu	m 213	EAO	606 D	/T	0.7		CTROAC A	C010B	07/24-08/02/07	TO ECOLOR
	213	500 500	696 D 745 D	ug/L	97	<i>c</i> 0	SW846 (07/24-08/02/07	
	213	500		ug/L	106	6.9	SW846	9010B	07/24-06/02/07	OSEOUICA
			DITUE	ion Factor: 2						
Vanadium					••					
	ND	250	242 D	ug/L	93		SW846	6010B	07/24-08/02/07	J3E001C0
	ND	250	257 D	ug/L	99	6.1	SW846		07/24-08/02/07	
	- 			ion Factor: 2			.		, = = , , ,	
			21146							

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: SL702

Matrix....: WATER

Date Sampled...: 07/20/07

Date Received..: 07/21/07

PARAMETER Zinc	SAMPLE AMOUNT			SRD	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION - ANALYSIS DATE	WORK ORDER #
1	ND ND	250 250	254 268		ug/L ug/L	102 107	5.4	SW846 6010B SW846 6010B	07/24-08/02/07 07/24-08/02/07	
				Dilut	ion Factor: 2					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

D Result was obtained from the analysis of a dilution.

WET CHEMISTRY

SDG# SL702 255 of 312

Fluor Hanford Inc

Client Sample ID: B1NX11

General Chemistry

Lot-Sample #...: F7G120385-001 Work Order #...: J2RVE

Matrix....: WATER

Date Sampled...: 07/11/07

Date Received..: 07/12/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	16.7 D	2.0	mg/L	MCANW 300.0A	07/12/07	7194330
	Dil	ution Pact	or: 10	MDL 0.20		
Fluoride	0.38	0.10	mg/L	MCANW 300.0A	07/12/07	7194331
	Dil	lution Fact	or: 1	MDL 0.025		
Nitrate	28.9 D	1.0	mg/L	MCAWW 300.0A	07/12/07	7194334
	Dil	lution Fact	or: 50	MDL 0.20		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	07/12/07	7194333
	Dil	lution Fact	or: 1	MDL 0.0050		
Sulfate	35.4 D	5.0	mg/L	MCANW 300.0A	07/12/07	7194332
	D1)	lution Fact	or: 10	MDL 0.50		

RL Reporting Limit

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

Fluor Hanford Inc

Client Sample ID: B1NHC1

General Chemistry

Lot-Sample #...: F7G130260-002

Date Sampled...: 07/12/07

Work Order #...: J2VP1

Date Received..: 07/13/07

Matrix..... WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrogen, as Ammonia		50.0	ug/L	MCAWW 350.1	07/17/07	7198128
•		Dilution Fac	tor: 1	MDL 5.0		
Phenol	ND	50.0	ug/L	MCAWW 420.2	07/25-07/27/07	7205111
		Dilution Fac	tor: 1	MDL		
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	07/25/07	7205282
-		Dilution Fac	tor: 1	MDL 0.76		
Total Sulfide	ND	1.0	mg/L	SW846 9030	07/16/07	7197012
		Dilution Fac	tor: 1	MDL 0.18		
TOX	50.7	5.0	ug/L	SW846 9020B	08/06/07	7219092
		Dilution Fac	tor: 1	MDL 2.2		

NOTE(S):

RL Reporting Limit

N Spiked analyte recovery is outside stated control limits.

STL ST. LOUIS

RECEIVED AUGUST 24, 2007

Fluor Ranford Inc

Client Sample ID: B1NY25

General Chemistry

Lot-Sample #...: F7G170250-002 Work Order #...: J22LM

Matrix....: WATER

Date Sampled...: 07/16/07 Date Received..: 07/17/07

PREPARATION-PREP METHOD PARAMETER RESULT RL UNITS ANALYSIS DATE BATCH # 07/24/07 Total Organic Carbon ND 1.0 mg/L SW846 9060 7205281 Dilution Factor: 1 MDL..... 0.76 5.0 ug/L Dilution Factor: 1 SW846 9020B 08/02/07 7215096 TOX 70.6 MDL..... 2.2

STL ST. LOUIS RECEIVED AUGUST 24, 2007

Fluor Hanford Inc

Client Sample ID: BLNY57

General Chemistry

Lot-Sample #...: F7G170250-003 Work Order #...: J22LR

Matrix....: WATER

Date Sampled...: 07/16/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		1.0 ution Facto	mg/L or: 1	SW846 9060	07/24/07	7205281
TOX	NTD Dilt	5.0 ution Facto	ug/L or: 1	SW846 9020B	08/02/07	7215096

Fluor Hanford Inc

Client Sample ID: B1NY50

General Chemistry

Lot-Sample #...: F7G170250-004

Work Order #...: J22LV

Matrix....: WATER

Date Sampled...: 07/16/07

Date Received..: 07/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		1.0 Lution Facto	mg/L or: 1	SW846 9060	07/24/07	7205281
TOX	4.8 B	5.0 Lution Facto	ug/L or: 1	SW846 9020B	08/02/07	7215096

RCTE(S):

B Estimated result. Result is less than RL.

STL ST. LOUIS

RECEIVED AUGUST 24, 2007

Fluor Hanford Inc

Client Sample ID: B1NY51

General Chemistry

Lot-Sample #...: F7G170250-005 Work Order #...: J22LW

Matrix....: WATER

Date Sampled...: 07/16/07

Date Received..: 07/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		1.0 ution Facto	mg/L or: 1	SW846 9060	07/24/07	7205281
TOX	4.1 B	5.0 Lution Facto	ug/L or: 1	SW846 9020B	08/02/07	7215096

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1NY52

General Chemistry

Lot-Sample #...: F7G170250-006 Work Order #...: J22LX

Matrix....: WATER

Date Sampled...: 07/16/07

Date Received..: 07/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		1.0 lution Facto	mg/L or: 1	SW846 9060	07/24/07	7205281
TOX	4.3 B	5.0 lution Fact	ug/L or: 1	SW846 9020B	08/02/07	7215096

RL Reporting Limit

B Estimated result. Result is less than RL.

Fluor Hanford Inc

Client Sample ID: B1NY53

General Chemistry

Lot-Sample #...: F7G170250-007 Work Order #...: J22L1

Matrix....: WATER

Date Sampled...: 07/16/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		1.0 Lution Facto	mg/L or: 1	SW846 9060	07/24/07	7205281
TOX	5.2	5.0	ug/L or: 1	SW846 9020B	08/02/07	7215096

Fluor Hanford Inc

Client Sample ID: B1NJ25

General Chemistry

Lot-Sample #...: F7G180203-001

Work Order #...: J24GT

Matrix..... WATER

Date Sampled...: 07/17/07

PARAMETER RESU Chloride 13.4 Fluoride ND N	DN 2.0 Dilution Fs	mg/L	MCANW 300.0A MDL	07/18/07	7204077 7204078
	0.10	mg/L		07/18/07	7204078
			MCAWW 300.0A	07/18/07	7204078
	Dilution Fa	ctor. 1			1204076
			MDL 0.025		
Nitrate 21.9	DBN 1.0	mg/L	MCANW 300.0A	07/18/07	7204081
	Dilution Fa	ictor: 50	MDL 0.20		
Nitrite ND N	0.020	mg/L	MCAWW 300.0A	07/18/07	7204080
	Dilution Fa	ctor: 1	MDL 0.0050)	
Phosphate as P, ND N Ortho	0.50	mg/L	MCAWW 300.0A	07/18/07	7204082
	Dilution Fa	ctor: 1	MDL 0.16		
Sulfate 77.2	DN 5.0	mg/L	MCANW 300.0A	07/18/07	7204079
	Dilution Fa	ctor: 10	MDL: 0.50		

NOTE (S):
RL Reporting Limit

DN Result obtained from dilution; spike sample recovery outside control limits.

N Spiked analyte recovery is outside stated control limits.

Fluor Banford Inc

Client Sample ID: BINJ16

General Chemistry

Lot-Sample #...: F7G180203-002

Work Order #...: J24G2

Matrix....: WATER

Date Sampled...: 07/17/07

Date Received..: 07/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	11.9 DN Dil	2.0 ution Fac	mg/L tor: 10	MCANW 300.0A MDL: 0.20	07/18/07	7204077
Fluoride	0.044 B,N	0.10 ution Fac	mg/L tor: 1	MCANW 300.0A MDL 0.025	07/18/07	7204078
Nitrate	7.1 DN Dil	0.20 ution Fac	mg/L tor: 10	MCAWW 300.0A MDL 0.040	07/18/07	7204081
Nitrite	ND N	0.020 ution Fac	mg/L tor: 1	MCAWW 300.0A	07/18/07)	7204080
Phosphate as P, Ortho	0.21 B,N	0.50	mg/L	MCAWW 300.0A	07/18/07	7204082
	Dil	ution Fac	tor: 1	MDL 0.16		
Sulfate	72.1 DN	5.0 ution Fac	mg/L tor: 10	MCANW 300.0A MDL 0.50	07/18/07	7204079

MOTE(S):

RL Reporting Limit

DN Result obtained from dilution; spike sample recovery outside control limits.

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

Fluor Hanford Inc

Client Sample ID: B1NJ17

General Chemistry

Lot-Sample #...: F7G180203-003

Work Order #...: J24G8

Matrix..... WATER

Date Sampled...: 07/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	13.0 DN	2.0 ution Fact	mg/L or: 10	MCAWW 300.0A MDL 0.20	07/18/07	7204077
Fluoride	0.063 B,N	0.10	•	MCAWW 300.0A MDL 0.025	07/18/07	7204078
Nitrate		0.20 ution Fact	mg/L or: 10	MCAWW 300.0A MDL 0.040	07/18/07	7204081
Nitrite		0.020 ution Fact	mg/L .or: 1	MCAWW 300.0A MDL 0.0050	07/18/07	7204080
Phosphate as P, Ortho	•	0.50	n g/L	MCANW 300.0A	07/18/07	7204082
	Dil	ution Fact	or: 1	MDL 0.16		
Sulfate	72.5 DM	5.0 ution Fact	mg/L or: 10	MCAWW 300.0A MDL: 0.50	07/18/07	7204079

RL Reporting Limit

DN Result obtained from dilution; spike sample recovery outside control limits.

B Estimated result. Result is less than RL.

N Spiked analyte recovery is outside stated control limits.

Fluor Hanford Inc

Client Sample ID: BlNX79

General Chemistry

Lot-Sample #...: F7G180207-002

Work Order #...: J24HW

Matrix..... WATER

Date Sampled...: 07/17/07

Date Received..: 07/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	64.5 DN	4.0	mg/L	MCANW 300.0A	07/18/07	7204077
	Di:	lution Fact	tor: 20	MDL 0.40		
Fluoride	0.17 N	0.10	mg/L	MCANW 300.0A	07/18/07	7204078
	Di	lution Fact	tor: 1	MDL 0.025		
Nitrate	5.8 DN	0.40	mg/L	MCAWW 300.0A	07/18/07	7204081
	Di:	lution Fact	tor: 20	MDL 0.080		
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	07/18/07	7204080
	Di	lution Fact	tor: 1	MDL: 0.0050)	
Sulfate	20.4 DN	10.0	mg/L	MCANW 300.DA	07/18/07	7204079
	Di	lution Fac	tor: 20	MDL 1.0		

RL Reporting Limit

DN Result obtained from dilution; spike sample recovery outside control limits.

N Spiked analyte recovery is outside stated control limits.

Fluor Hanford Inc

Client Sample ID: B1NY19

General Chemistry

Lot-Sample #...: F7G180212-001 **Work Order #...:** J24H5

Matrix....: WATER

Date Sampled...: 07/17/07

PARAMETER Total Organic Carbon	RESULT ND	RL 1.0	UNITS mg/L	METHOD SW846 9060	PREPARATION- ANALYSIS DATE 07/24/07	PREP BATCH # 7205281
-		Dilution Pac	tor: 1	MDL 0.76		
TOX	249	5.0	ug/L	SW846 9020B	08/02/07	7215096
		Dilution Fac	tor: 1	MDL 2.2		

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Fluor Hanford Inc

Client Sample ID: B1NY20

General Chemistry

Lot-Sample #...: F7G180212-002 Work Order #...: J24JA

Matrix....: WATER

Date Sampled...: 07/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION - ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		1.0 lution Facto	mg/L or: 1	SW846 9060	07/24/07	7205281
TOX	247	5.0 lution Facto	ug/L or: 1	SW846 9020B	08/02/07	7215096

Fluor Hanford Inc

Client Sample ID: BlNY21

General Chemistry

Lot-Sample #...: F7G180212-003

Work Order #...: J24JE

Matrix....: WATER

Date Sampled...: 07/17/07

Date Received..: 07/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		1.0 ution Facto	mg/L or: 1	SW846 9060	07/24/07	7205281
TOX	277 C	5.0 ution Facto	ug/L or: 1	SW846 9020B	08/03/07	7218057

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

STL ST. LOUIS

RECEIVED AUGUST 24, 2007

Fluor Hanford Inc

Client Sample ID: B1NY22

General Chemistry

Lot-Sample #...: F7G180212-004

Work Order #...: J24JF

Matrix....: WATER

Date Sampled...: 07/17/07

Date Received..: 07/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION - ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		1.0 ution Facto	mg/L or: 1	SW846 9060	07/24/07	7205281
TOX	262 C	5.0 ution Facto	ug/L or: 1	SWB46 9020B	08/03/07	7218057

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

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Fluor Hanford Inc

Client Sample ID: B1NXY4

General Chemistry

Lot-Sample #...: F7G180212-005 Work Order #...: J24JL

Matrix....: WATER

Date Sampled...: 07/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		1.0 Dilution Fact	mg/L tor: 1	SW846 9060	07/24/07	7205281
TOX	20.4	5.0 Dilution Pac	ug/L	SW846 9020B	08/06/07	7219092

STL ST. LOUIS

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Fluor Hanford Inc

Client Sample ID: B1NXY5

General Chemistry

Lot-Sample #...: F7G180212-006 Work Order #...: J24JT

Matrix....: WATER

Date Sampled...: 07/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		1.0 Dilution Facto	mg/L or: 1	SW846 9060	07/24/07	7205281
TOX	18.2	5.0 Dilution Facto	ug/L r: 1	SW846 9020B	08/06-08/07/07	7219092

Fluor Hanford Inc

Client Sample ID: BINXY6

General Chemistry

Lot-Sample #...: F7G180212-007 Work Order #...: J24J0

Matrix....: WATER

Date Sampled...: 07/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		1.0 ution Facto	mg/L or: 1	SW846 9060	07/24/07	7205281
тох	15.4	5.0 ution Facto	ug/L or: 1	SW846 9020B	08/06-08/07/07	7219092

Fluor Hanford Inc

Client Sample ID: B1NXY9

General Chemistry

Lot-Sample #...: F7G180212-008

Work Order #...: J24J1

Matrix....: WATER

Date Sampled...: 07/17/07

Date Received..: 07/18/07

PREP PREPARATION-ANALYSIS DATE BATCH # RL UNITS METHOD RESULT 7205281 07/24/07 SW846 9060 1.0 mg/L Total Organic Carbon ND Dilution Factor: 1 MDL..... 0.76 08/06-08/07/07 7219092 SW846 9020B 14.7 5.0 ug/L TOX Dilution Factor: 1 MDL..... 2.2

Fluor Hanford Inc

Client Sample ID: BlNL80

General Chemistry

Lot-Sample #...: F7G190478-003

Work Order #...: J271P

Matrix....: WATER

Date Sampled...: 07/18/07

Date Received..: 07/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #	
Chloride	17.1 C,D	4.0	mg/L	MCAWW 300.0A	07/19/07	7204056	
	Di	lution Fact	or: 20	MIDL 0.40			
Fluoride	0.32 N	0.10	mg/L	MCAWW 300.0A	07/19/07	7204057	
	Di	lution Fact	or: 1	MDL 0.025			
Nitrate	14.8 DN	0.40	mg/L	MCAWW 300.0A	07/19/07	7204060	
	Di	lution Fact	or: 20	MDL 0.080			
Nitrite	ND N	0.020	mg/L	MCAWW 300.0A	07/19/07	7204059	
	Di	lution Fact	tor: 1	MDI 0.0050			
Sulfate	64.0 D	10.0	mg/L	MCANW 300.0A	07/19/07	7204058	
	Di	lution Fact	tor: 20	MDL 1.0			
Total Alkalinity	166	5.0	mg/L	MCAWW 310.1	07/20/07	7201154	
-	Di	lution Fact	-	MDL 0.85			

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

DN Result obtained from dilution; spike sample recovery outside control limits.

Fluor Banford Inc

Client Sample ID: BlNL76

General Chemistry

Lot-Sample #...: F7G190478-005

Work Order #...: J271V

Matrix....: WATER

Date Sampled...: 07/18/07

Date Received..: 07/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	15.6 C,D	2.0	mg/L	MCAWW 300.0A	07/19/07	7204056
Fluoride	0.37 N		mg/L	MCAWW 300.0A MDL 0.025	07/19/07	7204057
Nitrate		0.20 ution Fact	mg/L	MCAWW 300.0A	07/19/07	7204060
Nitrite		0.020 ution Fact	mg/L cor: 1	MCAWW 300.0A	07/19/07	7204059
Sulfate	64.8 D	5.0 ution Fact	mg/L	MCANW 300.0A MDL 0.50	07/19/07	7204058
Total Alkalinity	128 Dil	5.0 ution Fact	mg/L	MCANW 310.1 MDL 0.85	07/20/07	7201154

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

DN Result obtained from dilution; spike sample recovery outside control limits.

Fluor Hanford Inc

Client Sample ID: B1N4T3

General Chemistry

Lot-Sample #...: F7G190487-001

Work Order #...: J274T

Matrix..... WATER

Date Sampled...: 07/18/07

Date Received..: 07/19/07

					PREPARATION-	PREP
PARAMETER	RESULT	RL	UNITS	METHOD	ANALYSIS DATE	BATCH #
Chloride	1270 C,D	200	mg/L	MCAWW 300.0A	07/19/07	7204056
	Dil	ution Fac	tor: 1000	MDL 20.0		
Fluoride	1.0 D,N	1.0	mg/L	MCANW 300.0A	07/19/07	7204057
	Dil	ution Fac	tor: 10	MDL 0.25		
Nitrate	1950 DN	100	mg/L	MCANW 300.0A	07/19/07	7204060
	Dil	lution Fac	tor: 5000	MDL 20.0		
Nitrite	ND D, N	0.20	mg/L	MCAWW 300.0A	07/19/07	7204059
	Dil	ution Fac	tor: 10	MDL 0.050		
Sulfate	459 D	25.0	mg/L	MCANW 300.0A	07/19/07	7204058
	Dil	ution Fac	tor: 50	MDL 2.5		
Total Cyanide	3990 DN	40.0	ug/L	SW846 9012	07/23-07/24/07	7204172
-	Dil	ution Fac	tor: 8	MDL 19.2		

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

DN Result obtained from dilution; spike sample recovery outside control limits.

Fluor Hanford Inc

Client Sample ID: BlNX88

General Chemistry

Lot-Sample #...: F7G210149-002

Work Order #...: J3CTL

Matrix....: WATER

Date Sampled...: 07/20/07

Date Received..: 07/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	28.2 DN	2.0	mg/L	MCAWW 300.0A	07/21/07	7205378
	Di	lution Fac	tor: 10	MDL 0.20		
Fluoride	0.034 B	0.10	mg/L	MCAWW 300.0A	07/21/07	7205379
	Di	lution Fac	tor: 1	MDL 0.025		
Nitrate	5.6 DAN	0.20	mg/L	MCAWW 300.0A	07/21/07	7205381
	Di	lution Fac	tor: 10	MDL 0.040		
Nitrite	ND D	0.20	mg/L	MCAWW 300.0A	07/26/07	7211232
	Di:	lution Fac	tor: 10	MDL 0.050		
Sulfate	36.0 DN	5.0	mg/L	MCANW 300.0A	07/21/07	7205380
	Di	lution Fac	tor: 10	MDL 0.50		

RL Reporting Limit

DN Result obtained from dilution; spike sample recovery outside control limits.

B Estimated result. Result is less than RL.

D Result was obtained from the analysis of a dilution.

Fluor Hanford Inc

Client Sample ID: B1MR07

General Chemistry

Lot-Sample #...: F7G210154-002

Work Order #...: J3CV5

Matrix....: WATER

Date Sampled...: 07/20/07

Date Received..: 07/21/07

PARAMETER Chloride	RESULT 23.7 DN	RL 2.0	UNITS mg/L or: 10	METHOD MCAWW 300.0A MDL	PREPARATION- ANALYSIS DATE 07/21/07	PREP BATCH # 7205378
Fluoride	0.37	0.10 lution Fact	mg/L or: 1	MCANW 300.0A MDL 0.025	07/21/07	7205379
Nitrate	6.2 DN Di	0.20 lution Fact	mg/L or: 10	MCANTN 300.0A MDL	07/21/07	7205381
Nitrite	ND D	0.20 lution Fact	mg/L or: 10	MCAWW 300.0A MDL 0.050	07/26/07	7211232
Sulfate	122 DW	5.0 lution Fact	mg/L or: 10	MCANW 300.0A MDL 0.50	07/21/07	7205380

RL Reporting Limit

DN Result obtained from dilution; spike sample recovery outside control limits.

D Result was obtained from the analysis of a dilution.

Fluor Hanford Inc

Client Sample ID: BINL53

General Chemistry

Lot-Sample #...: F7G230215-002

Work Order #...: J3E0V

Matrix....: WATER

Date Sampled...: 07/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	21.1 DN	2.0	mg/L	MCAWW 300.0A	07/21/07	7205378
	Dil	ution Fact	tor: 10	MDL 0.20		
Fluoride	0.28	0.10	mg/L	MCANW 300.0A	07/21/07	7205379
	Dil	ution Fact	tor: 1	MDL 0.025		
Nitrate	7.8 DM	0.20	mg/L	MCAWW 300.0A	07/21/07	7205381
	Dil	ution Fact	tor: 10	MDL 0.040		
Nitrite	ND D	0.20	mg/L	MCAWW 300.0A	07/26/07	7211232
	Dil	ution Fact	tor: 10	MDL 0.050		
Sulfate	45.6 DN	5.0	mg/L	MCANW 300.0A	07/21/07	7205380
	Dilution Factor: 10			MDL 0.50		
Total Alkalinity	104	5.0	mg/L	MCANW 310.1	07/26/07	7207142
	Dil	ution Fac	tor: 1	MDL 0.85		

NOTE (S):

DN Result obtained from dilution; spike sample recovery outside control limits.

D Result was obtained from the analysis of a dilution.

Fluor Hanford Inc

Client Sample ID: BINL88

General Chemistry

Lot-Sample #...: F7G230215-004 Work Order #...: J3E0X

Matrix....: WATER

Date Sampled...: 07/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	12.4 DN Dil	2.0	mg/L	MCANN 300.0A	07/21/07	7205378
Fluoride		0.10	mg/L	MCANW 300.0A	07/21/07	7205379
Nitrate	3.6 DN	0.20	mg/L	MCAWW 300.0A	07/21/07	7205381
Nitrite	0.35	lution Fact 0.020	_	MCANW 300.0A	07/25/07	7207127
	Dil	lution Fact	or: 1	MDL 0.0050		
Sulfate	74.5 DN Dil	5.0 lution Fact		MCAWW 300.0A	07/21/07	7205380
Total Alkalinity	123	5.0	mg/L	MCAWW 310.1	07/26/07	7207142
Note (S) :	D1.	iution Fact				

RL Reporting Limit

DN Result obtained from dilution; spike sample recovery outside control limits.

Fluor Hanford Inc

Client Sample ID: B1NL84

General Chemistry

Lot-Sample #...: F7G230215-006

Work Order #...: J3E01

Matrix....: WATER

Date Sampled...: 07/20/07

7205378
7205379
7205381
7211232
7205380
7207142
7: 7:

NOTE (S):
RL Reporting Limit

DN Result obtained from dilution; spike sample recovery outside control limits.

D Result was obtained from the analysis of a dilution.

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Fluor Hanford Inc

Client Sample ID: B1NM75

General Chemistry

Lot-Sample #...: F7G230216-001 Work Order #...: J3E03

Matrix..... WATER

Date Sampled...: 07/20/07

Date Received..: 07/21/07

PREP PREPARATION-UNITS METHOD ANALYSIS DATE BATCH # PARAMETER 7205282 SW846 9060 07/25/07 Total Organic Carbon ND 1.0 mg/L Dilution Factor: 1 MDL..... 0.76 08/03/07 7218057 5.0 ug/L SW846 9020B TOX ND Dilution Factor: 1 MDL.... 2.2

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Fluor Hanford Inc

Client Sample ID: B1NM76

General Chemistry

Lot-Sample #...: F7G230216-002 Work Order #...: J3E04

Matrix....: WATER

Date Sampled...: 07/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH_#
Total Organic Carbon		1.0 ution Facto	mg/L or: 1	SW846 9060	07/25/07	7205282
тох	ND Dil	5.0 ution Facto	ug/L pr: 1	SW846 9020B	08/03/07	7218057

Fluor Hanford Inc

Client Sample ID: B1NM77

General Chemistry

Lot-Sample #...: F7G230216-003 Work Order #...: J3E05

Matrix: WATER

Date Sampled...: 07/20/07

Date Received..: 07/21/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		1.0 ution Facto	mg/L or: 1	SW846 9060	07/25/07	7205282
TOX	2.4 B	5.0 ution Facto	ug/L or: 1	SW846 9020B	08/06-08/07/07	7219092

NOTE(S): RL Reporting Limit

B Estimated result. Result is less than RL.

STL ST. LOUIS RECEIVED AUGUST 24, 2007

Fluor Hanford Inc

Client Sample ID: B1NM78

General Chemistry

Lot-Sample #...: F7G230216-004 Work Order #...: J3E06

Matrix..... WATER

Date Sampled...: 07/20/07

PARAMETER	RESULT	RL.	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0 Dilution Fa	mg/L actor: 1	SW846 9060	07/25/07	7205282
тох	N D	5.0	ug/L	SW846 9020B	08/06-08/07/07	7219092

Fluor Hanford Inc

Client Sample ID: B1N3P7

General Chemistry

Lot-Sample #...: F7G260301-001

Work Order #...: J3MLP

Date Received..: 07/26/07

Matrix..... WATER

Date Sampled...: 07/25/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Chloride	5.8 C,D	2.0	mg/L	MCAWW 300.0A	07/26/07	7208109
	Dil	ution Fact	or: 10	MDL 0.20		
Fluoride	0.33 N	0.10	mg/L	MCAWW 300.0A	07/26/07	7208110
	Dil	ution Fact	or: 1	MDL 0.025		
Nitrate	1.4 D	0.20	mg/L	MCAWW 300.0A	07/26/07	7208113
	Dil	ution Fact	or: 10	MIDL 0.040		
Nitrite	0.081 N	0.020	mg/L	MCANN 300.0A	07/26/07	7208112
	Dil	ition Facto	or: 1	MDL 0.0050		•
Sulfate	35.9 D	5.0	mg/L	MCANW 300.0A	07/26/07	7208111
	Dilı	ition Facto	or: 10	MDL: 0.50		

RL Reporting Limit

C Analyte detected in method blank above the MDL/IDL.

D Result was obtained from the analysis of a dilution.

N Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

General Chemistry

Matrix..... WATER

Client Lot #...: SL702

PREPARATION-PREP REPORTING LIMIT UNITS METHOD ANALYSIS DATE BATCH # PARAMETER RESULT Work Order #: J20HPlAA MB Lot-Sample #: F7G130000-330 Chloride MCAWW 300.0A 07/12/07 7194330 ND 0.20 mg/L Dilution Factor: 1 Work Order #: J3DT11AA MB Lot-Sample #: F7G230000-077 Chloride mg/L MCAWW 300.0A 7204077 07/18/07 ND 0.20 Dilution Factor: 1 Work Order #: J3FXL1AA MB Lot-Sample #: F7G230000-056 Chloride MCAWW 300.0A 07/19/07 7204056 0.040 B 0.20 mg/L Dilution Factor: 1 Work Order #: J3JMM1AA MB Lot-Sample #: F7G240000-378 Chloride MCAWW 300.0A 07/21/07 7205378 0.20 mg/L ND Dilution Factor: 1 Work Order #: J3T461AA MB Lot-Sample #: F7G270000-109 Chloride MCANW 300.0A 7208109 07/26/07 0.034 B 0.20 mbq/L Dilution Factor: 1 Fluoride Work Order #: J20H01AA MB Lot-Sample #: F7G130000-331 7194331 ND 0 10 mg/L MCAWW 300.0A 07/12/07 Dilution Factor: 1 Work Order #: J3DT21AA MB Lot-Sample #: F7G230000-078 Fluoride 7204078 MCAWW 300.0A 07/18/07 ND 0.10 mg/L Dilution Factor: 1 Work Order #: J3FXN1AA MB Lot-Sample #: F7G230000-057 Fluoride 07/19/07 7204057 MCAWW 300.0A ND mq/L Dilution Factor: 1 Work Order #: J3JMN1AA MB Lot-Sample #: F7G240000-379 Fluoride MCAWW 300.0A 07/21/07 7205379 0.10 mg/L ND

Work Order #: J3T481AA MB Lot-Sample #: F7G270000-110

Work Order #: J20JF1AA MB Lot-Sample #: F7G130000-334

MCAWW 300.0A

MCAWW 300.0A

(Continued on next page)

mq/L

Dilution Factor: 1

Dilution Factor: 1

Dilution Factor: 1

0.020 mg/L

Fluoride

Nitrate

ND

ND

7208110

7194334

07/26/07

07/12/07

METHOD BLANK REPORT

General Chemistry

Client Lot #:	SL702		Matr	Matrix: WATER				
PARAMETER	RESULT	REPORTING LIMIT UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #			
Nitrate	ND	Work Order #: J3DT51A 0.020 mg/L Dilution Factor: 1	AA MB Lot-Sample #: MCAWW 300.0A	F7G230000-081 07/18/07	7204081			
Nitrate	ND	Work Order #: J3FXVLF 0.020 mg/L Dilution Factor: 1	AA MB Lot-Sample #: MCAWW 300.0A	F7G230000-060 07/19/07	7204060			
Nitrate	ND	Work Order #: J3JMT17 0.020 mg/L Dilution Factor: 1	AA MB Lot-Sample #: MCAWW 300.0A	F7G240000-381 07/21/07	7205381			
Nitrate	ND	Work Order #: J3T5G1F 0.020 mg/L Dilution Factor: 1	AA MB Lot-Sample #: MCAWW 300.0A	F7G270000-113 07/26/07	7208113			
Nitrite	ND	Work Order #: J20H91F 0.020 mg/L Dilution Factor: 1	AA MB Lot-Sample #: MCAWW 300.0A	F7G130000-333 07/12/07	7194333			
Nitrite	ND	Work Order #: J3DT41F 0.020 mg/L Dilution Factor: 1	AA MB Lot-Sample #: MCAWW 300.0A	F7G230000-080 07/18/07	7204080			
Nitrite	ND	Work Order #: J3FXR1F 0.020 mg/L Dilution Factor: 1	AA MB Lot-Sample #: MCAWW 300.0A	F7G230000-059 07/19/07	7204059			
Nitrite	ND	Work Order #: J3K2HlA 0.020 mg/L Dilution Factor: 1	AA MB Lot-Sample #: MCAWW 300.0A	F7G260000-127 07/25/07	7207127			
Nitrite	ND	Work Order #: J3T5DL7 0.020 mg/L Dilution Factor: 1	AA MB Lot-Sample #: MCAWW 300.0A	F7G270000-112 07/26/07	7208112			
Nitrite	ND	Work Order #: J3T5011 0.020 mg/L Dilution Factor: 1	AA MB Lot-Sample #: MCAWW 300.0A	F7G300000-232 07/26/07	7211232			
Nitrogen, as Ammo	onia ND	Work Order #: J21F51F 50.0 ug/L Dilution Factor: 1	AA MB Lot-Sample #: MCAWW 350.1	F7G170000-128 07/17/07	7198128			

METHOD BLANK REPORT

General Chemistry

Client Lot #: S	L702		Matr	Matrix: WATER			
PARAMETER	RESULT	REPORTING LIMIT UNITS	METHOD	PREPARATION - ANALYSIS DATE	PREP BATCH #		
Phenol	N D	Work Order #: J3FCV1AI 50.0 ug/L Dilution Factor: 1	A MB Lot-Sample #: MCAWW 420.2	F7G240000-111 07/25-07/27/07	7205111		
Phosphate as P, Ortho		Work Order #: J3DT61A	A MB Lot-Sample #:	F7G230000-082			
0.2 0.1.0	ND	0.50 mg/L Dilution Factor: 1	MCAWW 300.0A	07/18/07	7204082		
Sulfate	ND	Work Order #: J20H71A 0.50 mg/L Dilution Factor: 1	A MB Lot-Sample #: MCAWW 300.0A		7194332		
Sulfate	ND	Work Order #: J3DT31A 0.50 mg/L Dilution Factor: 1	A MB Lot-Sample #: MCAWW 300.0A	F7G230000-079 07/18/07	7204079		
Sulfate	ND	Work Order #: J3FXP1A 0.50 mg/L Dilution Factor: 1	_		7204058		
Sulfate	ND	Work Order #: J3JMQ1A 0.50 mg/L Dilution Factor: 1	A MB Lot-Sample #: MCAWW 300.0A		7205380		
Sulfate	ND	Work Order #: J3T5A1A 0.50 mg/L Dilution Factor: 1	A MB Lot-Sample #: MCAWW 300.0A		7208111		
Total Alkalinity	ND	Work Order #: J287F1A 5.0 mg/L Dilution Factor: 1	A MB Lot-Sample #: MCAWW 310.1	F7G200000-154 07/20/07	7201154		
Total Alkalinity	ND	Work Order #: J3LKM1A 5.0 mg/L Dilution Factor: 1	A MB Lot-Sample #: MCAWW 310.1	F7G260000-142 07/26/07	7207142		
Total Cyanide	ND ·	Work Order #: J3DN91A 5.0 ug/L Dilution Factor: 1	A MB Lot-Sample #: SW846 9012	F7G230000-172 07/23-07/24/07	7204172		
Total Organic Cark	oon ND	Work Order #: J3HR01A 1.0 mg/L Dilution Factor: 1	A MB Lot-Sample #: SW846 9060	F7G240000-281 07/24/07	7205281		

METHOD BLANK REPORT

General Chemistry

Client Lot #...: SL702

Matrix....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Organic Carb	on ND	Work Order : 1.0 Dilution Factor	mg/L	MB Lot-Sample #: SW846 9060	F7G240000-282 07/24/07	7205282
Total Sulfide	ND		mg/L	MB Lot-Sample #: SW846 9030		7197012
TOX	ND		ug/L	MB Lot-Sample #: SW846 9020B	F7H030000-096 08/02/07	7215096
TOX	5.4	Work Order: 5.0 Dilution Factor	ug/L	MB Lot-Sample #: SW846 9020B	F7H060000-057 08/03/07	7218057
TOX	ND		ug/L	MB Lot-Sample #: SW846 9020B	F7H070000-092 08/06/07	7219092

NOTE(S):

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Matrix..... WATER

Lot-Sample #...: SL702

-	an	100 3 6		DET				PREPARATION-	PREP
	SPIKE	MEASUREI		PERCNT		A CENTRAL CO	•	ANALYSIS DATE	
PARAMETER	AMOUNT	AMOUNT	UNITS	RECVRY				Sample#: F7G13000	
Chloride			_		UHPIA			07/12/07	7194330
	2.00	1.90	mg/L	95				07/12/07	7194330
	2.00	1.97 I	mg/L Dilution Fac	98 tor: 1	3.4	MCAWW	300.0A	07/12/07	/194330
Chloride		WO#	:J3DT11A0	C-LCS/J3	DT11A	D-LCSD	LCS Lot-S	Sample#: F7G23000	0-077
	2.00	2.19	mg/L	109		MCAWW	300.0A	07/18/07	7204077
	2.00	2.19	mg/L	109	0.04	MCAWW	300.0A	07/18/07	7204077
		1	Dilution Fac	tor: 1					
Chloride		WO#	:J3FXL1A	C-LCS/J3	FXLlA			Sample#: F7G23000	
	2.00	2.10	mg/L	105		MCAWW	300.0A	07/19/07	7204056
	2.00	2.17	mg/L	109	3.6	MCAWW	300.0A	07/19/07	7204056
		I	Dilution Fac	tor: 1					
Chloride		₩O‡	:J3JMMlAC	C-LCS/J3	JMM1A	D-LCSD	LCS Lot-S	Sample#: F7G24000	0-378
	2.00	2.08	mg/L	104			300.0A	07/21/07	7205378
	2.00	2.17	mg/L	108	4.0	MCAWW	300.0A	07/21/07	7205378
		. 1	Dilution Fac	tor: 1					
Chloride			:J3T461A	C-LCS/J3	T461A			Sample#: F7G27000	
	2.00	2.04	mg/L	102			300.0A	07/26/07	7208109
	2.00	1.99	mg/L	99	2.5	MCAWW	300.0A	07/26/07	7208109
		1	Oilution Fac	etor: 1					
Fluoride		WO	:J20H01A	C-LCS/J2	0H01A	D-LCSD	LCS Lot-S	Sample#: F7G13000	
	1.00	0.945	mg/L	95			A0.00E	07/12/07	7194331
	1.00	1.02	mg/L	102	7.7	MCAWW	300.0A	07/12/07	7194331
		I	Cilution Fac	ctor: 1					
Fluoride				-	DT21A			Sample#: F7G23000	
	1.00	1.08	mg/L	108		MCAWW	300.0A	07/18/07	7204078
	1.00	1.05	mg/L	105	2.6	MCAWW	300.0A	07/18/07	7204078
		1	Dilution Fac	etor: 1					
Fluoride		WO	:J3FXN1A	C-LCS/J3	FXN1A			Sample#: F7G2300 0	
	1.00	1.01	mg/L	101			300.0A	07/19/07	7204057
	1.00	1.05	mg/L	105	4.7	MCAWW	300.0A	07/19/07	7204057
		_							

(Continued on next page)

Dilution Factor: 1

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #: SL702	Matrix WATER
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	SPIKE	MEASURED		PERCNT				PREPA	RATION-	PREP
PARAMETER	AMOUNT	AMOUNT	UNITS	RECVRY	RPD	METHOI	D	ANALY	SIS DATE	BATCH #
Fluoride		WO#	J3JMNLAC				LCS Lot-Sa	mple#:	F7G24000	779
	1.00	1.06	mg/L	106		MCAWW	300.0A	07	/21/07	7205379
	1.00	1.07	mg/L	107	0.55	MCAWW	300.0A	07	/21/07	7205379
		D:	ilution Fact	or: 1						
Fluoride		2104	T20040230	T 00 / TO			100 1et Co		B2022000	110
Fluoride	1.00	0.984		-LCS/U3:	1.40 TAI		LCS Lot-Sa		/26/07	7208110
		0.984	mg/L mg/L	98 99		_	300.0A		/26/07	7208110
	1.00		mg/L ilution Fact		1.2	MCWAM	300.UA	0,	/26/07	7206110
		D:	llution Fact	or; 1						
Nitrate		WO#	J20JF1AC	-LCS/J2	OJF1AI		LCS Lot-Sa	_		0-334
	0.400	0.391	mg/L	98		MCAWW	300.0A		/12/07	7194334
	0.400	0.400	mg/L	100	2.2	MCAWW	300.0A	07	/12/07	7194334
		D:	llution Fact	or: 1						
Nitrate		WO#	:J3DT51AC	-LCS/J3	DT51A)-LCSD	LCS Lot-Sa	mple#:	F7G23000	0-081
	0.400	0.407	mg/L	102			300.0A	-	/18/07	7204081
	0.400	0.434	mg/L	109	6.5		300.0A		/18/07	7204081
		D:	ilution Fact							
		****		(
Nitrate	0 400			-	FXVIAI		LCS Lot-Sa	_		
	0.400	0.436	mg/L	109			300.0A		/19/07	7204060
	0.400	0.436	mg/L	109	0.02	MCAWW	300.0A	0 7	/19/07	7204060
		D:	ilution Fact	or: 1						
Nitrate		WO#	J3JMT1AC	-LCS/J3	JMT1AI	-LCSD	LCS Lot-Sa	-		0-381
	0.400	0.435	mg/L	109		MCAWW	300.0A	07	/21/07	7205381
	0.400	0.441	mg/L	110	1.3	MCAWW	300.0A	07	/21/07	7205381
		D:	ilution Fact	or: 1						
Nitrate		WO#	:J3T5GlAC	-LCS/J3	T5G1AI	-LCSD	LCS Lot-Sa	mple#:	F7G27000	0-113
	0.400	0.409	mg/L	102			300.0A	-	/26/07	7208113
	0.400	0.407	mg/L	102	0.33		300.0A		/26/07	7208113
		D:	ilution Fact	or: 1				-	•	
Nitrite				-	0H91AI		LCS Lot-Sa			
	0.160	0.153	mg/L	96		MCAWW	300.0A		/12/07	7194333
	0.160	0.157	mg/L	98	2.4	MCAWW	300.0A	07	/12/07	7194333
	٠.	D:	ilution Fact	or: 1						

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Matrix..... WATER

	SPIKE	MEASURED		PERCNT				PREPARATION-	PREP
PARAMETER	AMOUNT	AMOUNT	UNITS	RECVRY				ANALYSIS DATE	
Nitrite		WO#	:J3DT4LAC	-LCS/J3	DT41A			Sample#: F7G23000	0-080
	0.160	0.156	mg/L	98			300.0A	07/18/07	7204080
	0.160	0.165	mg/L	103	5.5	MCAWW	300.0A	07/18/07	7204080
		Œ	ilution Fac	tor: 1					
Nitrite		WO#	:J3FXR1AC	-LCS/J3	FXR1A			Sample#: F7G23000	
	0.160	0.146	mg/L	91		MCAWW	300.0A	07/19/07	7204059
	0.160	0.158	mg/L	99	8.0	MCAWW	300.0A	07/19/07	7204059
		D	ilution Fac	tor: 1					
Nitrite		WO#	:J3K2H1AC	-LCS/J3	K2H1A	D-LCSD	LCS Lot-	Sample#: F 7G26000	0-127
	0.160	0.169	mg/L	106		MCAWW	300.0A	07/25/07	7207127
	0.160	0.164	mg/L	102	3.2	MCAWW	300.0A	07/25/07	720712
		D	ilution Fac	tor: 1					
Nitrite		#O#	:J3T5D1A0		T5D1A			Sample#: F7G27000	
	0.160	0.159	mg/L	99		MCAWW	300.0A	07/26/07	7208112
	0.160	0.163	mg/L	102	2.5	MCAWW	300.0A	07/26/07	7208112
		מ	ilution Fac	tor: 1					
Nitrite		WO#	:J3T501A0	-LCS/J3	T501A	D-LCSD	LCS Lot-	Sample#: F7G30000	0-232
	0.160	0.159	mg/L	99		MCAWW	A0.00E	07/26/07	7211232
	0.160	0.163	mg/L	102	2.5	MCAWW	300.0A	07/26/07	7211232
		D	ilution Fac	tor: 1					
Nitrogen, as	Ammonia	WO#		-LCS/J2	1F51A			Sample#: F7G17000	
	400	416	ug/L	104			350.1	07/17-07/20/07	
	400	414	ug/L	103	0.56	MCAWW	350.1	07/17-07/20/07	719812
			ilution Fac	tor: 1					
Phosphate as Ortho	P,	WO#	:J3DT61A0	C-LCS/J3	DT61A	D-LCSD	LCS Lot-	Sample#: F7G23000	0-082
	8.00	9.03 N	mg/L	113		MCAWW	300.0A	07/18/07	720408
	8.00	8.95 N	mg/L	112	0.79	MCAWW	300.0A	07/18/07	7204083
		ב	ilution Fac	tor: 1					
Sulfate		WO#	:J20H71A0	-LCS/J2	0H71A	D-LCSD	LCS Lot-	Sample#: F7G13000	0-332
	8.00	7.54	mg/L	94		MCAWW	A0.00E	07/12/07	719433
	8.00	7.59	mg/L	95	0.78	MCAWW	300.0A	07/12/07	719433

(Continued on next page)

Dilution Factor: 1

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Matrix..... WATER

Lot-Sample	#:	SL702
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	SPIKE	MEASURE		PERCNT	222		_	PREPARATION-	PREP BATCH #
PARAMETER	AMOUNT	AMOUNT	UNITS	RECVRY				ANALYSIS DATE	
Sulfate					DT3 LAI			Sample#: F7G23000	
	8.00	8.56	mg/L				300.0A	07/18/07	7204079
	8.00	8.50	mg/L	106	0.67	MCAWW	300.0A	07/18/07	7204079
			Dilution Fa	ictor: 1					
Sulfate		WO	:J3FXP1A	C-LCS/J3	FXP1A	D-LCSD	LCS Lot-S	Sample#: F7G23000	0-058
	8.00	8.47	mg/L	106		MCAWW	300.0A	07/19/07	7204058
	8.00	8.45	mg/L	106	0.31	MCAWW	300.0A	07/19/07	7204058
			Dilution Fa	ctor: 1					
Sulfate		WO:	#:J3JMO1A	C-LCS/J3	JMOLA	D-LCSD	LCS Lot-	Sample#: F7G24000	0-380
	8.00	8.48	mg/L	106	-		300.0A	07/21/07	7205380
	8.00	8.53	mg/L	107	0.50		300.0A	07/21/07	7205380
			Dilution Fa						
Sulfate		WO:	#:.T3T5A1#	C-LCS/J3	TSA1A	D-LCSD	LCS Lot-S	Sample#: F7G27000	0-111
	8.00	8.11	mg/L	101			300.0A	07/26/07	7208111
	8.00	7.95	mg/L	99	2.0		300.0A	07/26/07	7208111
			Dilution Fa			••••		, ,	
Total Alkal	inity	WO:	₩T287F1#	C-1/CS/J2	87F1A	D-LCSD	LCS Lot-	Sample#: F7G20000	0-154
10001 112100	200	199	mg/L	100			310.1	07/20/07	7201154
	200	200	mg/L	100	0.50		310.1	07/20/07	7201154
			Dilution Fa		****			,	
Total Alkal	inity	WO:	#T3T.KM1 <i>E</i>	AC-LCS/J3	LKM1 A	D-LCSD	LCS Lot-	Sample#: F7G26000	0-142
10001	200	198	mg/L	99			310.1	07/26/07	7207142
	200	196	mg/L	98	1.0		310.1	07/26/07	7207142
			Dilution Fa						
Total Organ	uic Carbor	WO:	₩•.T3WR01Z	AC-1.CS/J3	HRO1A	D-LCSD	LCS Lot-	Sample#: F7G24000	0-281
rocar organ	6.00	6.14	mg/L	102		SW846		07/24/07	7205281
	6.00	6.13	mg/L	102	0.22	SW846		07/24/07	7205281
	0.00		Dilution Fa						
Total Organ	nic Carbor	n Wich	#:J3HR812	AC-LCS/J3	HR81A	D-LCSD	LCS Lot-	Sample#: F7G24000	0-282
	6.00	6.08	mg/L	101		SW846		07/24/07	7205282
	6.00	6.12	mg/L	102	0.60	SW846		07/24/07	7205282

(Continued on next page)

Dilution Factor: 1

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: SL702

Matrix..... WATER

SPIKE MEASURED PERCNT PREPARATION- PREPARATI

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Matrix....: WATER

08/06/07

7219092

Client Lot #...: SL702

SPIKE MEASURED PERCNT PREPARATION-ANALYSIS DATE BATCH # PARAMETER AMOUNT AMOUNT UNITS RECVRY METHOD Phenol Work Order #: J3FCV1AC LCS Lot-Sample#: F7G240000-111 200 223 N ug/L 111 MCAWW 420.2 07/25-07/27/07 7205111 Dilution Factor: 1 Work Order #: J3DN91AC LCS Lot-Sample#: F7G230000-172 Total Cyanide 200 200 ug/L 100 SW846 9012 07/23-07/24/07 7204172 Dilution Factor: 1 Total Cyanide Work Order #: J3DN91AD LCS Lot-Sample#: F7G230000-172 400 401 100 SW846 9012 07/23-07/24/07 7204172 Dilution Factor: 1 Total Sulfide Work Order #: J20F81AC LCS Lot-Sample#: F7G160000-012 7197012 10.0 8.70 87 SW846 9030 07/16/07 Dilution Factor: 1 Work Order #: J35FN1AC LCS Lot-Sample#: F7H030000-096 TOX 100 114 SW846 9020B 08/02/07 7215096 uq/L 114 Dilution Factor: 1 Work Order #: J386F1AC LCS Lot-Sample#: F7H060000-057 TOX 100 104 SW846 9020B 08/03/07 ug/L 104 7218057 Dilution Pactor: 1

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Dilution Factor: 1

Work Order #: J4AJG1AC LCS Lot-Sample#: F7H070000-092

SW846 9020B

NOTE(S)

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Calculations are performed before rounding to avoid round-off errors in calculated results.

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N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL702

Matrix..... WATER

Date Sampled...: 07/12/07

Date Received..: 07/13/07

	SAMPLE		MEASURED	PERCENT	PREPARATION- PREP
PARAMETER	AMOUNT	AMI	AMOUNT UNITS	RECOVERY	
Chloride			Work Order #:		MS Lot-Sample #: F7G180203-001
	13.4	20.0	36.3 N,D mg/L Dilution Factor: 10	114	MCAWW 300.0A 07/18/07 7204077
Chloride			Work Order #:	J271P1AO	MS Lot-Sample #: F7G190478-003
5.1151140	17.1	40.0	60.7 D, C mg/L Dilution Factor: 20		MCAWW 300.0A 07/19/07 7204056
Chloride			Work Order #:	TROXIAT	MS Lot-Sample #: F7G230215-004
0.1101140	12.4	20.0	34.9 N,D mg/L Dilution Factor: 10		-
Chloride			Work Order #:	на голикт.	MS Lot-Sample #: F7G260301-001
CHIOTIGE	5.8	20.0	27.2 D, C mg/L		MCAWW 300.0A 07/26/07 7208109
	3.0	20.0	Dilution Factor: 10	107	MODEL OF STATE OF STA
Fluoride			Work Order #:	J24GT1AK	MS Lot-Sample #: F7G180203-001
	ND	2.00	2.59 N mg/L Dilution Factor: 1	129	MCAWW 300.0A 07/18/07 7204078
Fluoride			Work Order #:	J271P1AT	MS Lot-Sample #: F7G190478-003
11401140	0.32	2.00	2.65 N mg/L Dilution Factor: 1	117	MCAWW 300.0A 07/19/07 7204057
Fluoride			Work Order #:	TREOXIAL.	MS Lot-Sample #: F7G230215-004
71001100	0.27	2.00	2.60 N mg/L Dilution Factor: 1	116	
Fluoride			Work Order #:	TAMT.D1 A.T	MS Lot-Sample #: F7G260301-001
ridoride	0.33	2.00			MCAWW 300.0A 07/26/07 7208110
	0.55	2.00	Dilution Factor: 1	114	MCANN 300,011 0.,120,01 (120212)
Nitrate			Work Order #:	J24GT1AN	MS Lot-Sample #: F7G180203-001
	21.9	20.0	44.1 N,D mg/L	111	MCAWW 300.0A 07/18/07 7204081
			Dilution Factor: 50		
Nitrate			Work Order #:	J271P1A1	MS Lot-Sample #: F7G190478-003
	14.8	8.00	20.6 N,D mg/L Dilution Factor: 20	73	MCAWW 300.0A 07/19/07 7204060
Nitrate			Work Order #:	J3E0X1AO	MS Lot-Sample #: F7G230215-004
	3.6	0.400	8.34 N,D mg/L	1190	MCAWW 300.0A 07/21/07 7205381
	-		Dilution Factor: 10		, ,

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL702
Date Sampled...: 07/12/07

Date Received..: 07/13/07

Matrix....: WATER

PARAMETER	SAMPLE		MEASURED AMOUNT UNITS	PERCENT RECOVERY		PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate	<u> </u>		Work Order #:			ample #: F7G260	
NICIACE	1.4	4.00	5.55 D mg/L Dilution Factor: 10			07/26/07	7208113
Nitrite			Work Order #:	.T24GT1 AM	MS Lot-S	ample #: F7G186	0203-001
NICLICE	ND	0.100	0.309 N mg/L Dilution Factor: 1			07/18/07	
Nitrite			Work Order #:	.T271D1AY	MS Lot-S	ample #· F7G196	0478-003
MILLICE	ND		0.187 N mg/L Dilution Factor: 1	187		07/19/07	
Nitrite			Work Order #:	.T2 F0 V1 NT	MS Lot-S	amble #· F7G23(0215-004
MICIICE	0.35	0.100				07/25/07	
Nitrite			Work Order #:	TAMT.DI AT.	MS Lot-S	ample #: F7G26	0301-001
MICTICE	0.081	0.100	0.326 N mg/L Dilution Factor: 1			07/26/07	
Nitrogen as	Ammoni	•	Work Order #:	.T237D1123	MS Tot-S	ample #: F7G130	0260-002
Nicrogen, as	ND	500	569 N ug/L Dilution Factor: 1			07/17/07	
Phenol			Work Order #:	אבו וסעכד.	MS Lot-S	ample #: F7G13	0260-002
FIGUOT	ND	200	183 ug/L Dilution Factor: 1				
Phosphate as	P,		Work Order #:	J24GT1AP	MS Lot-S	ample #: F7G18	0203-001
OTCHO	ND	4.00	5.87 N mg/L Dilution Factor: 1	147	MCAWW 300.0A	07/18/07	7204082
Sulfate			Work Order #:	T24GT1AL	MS Lot-S	ample #: F7G18	0203-001
Bullace	77.2	40.0	124 N,D mg/L Dilution Factor: 10			07/18/07	
Sulfate			Work Order #:	J271P1AV	MS Lot-S	ample #: F7G19	0478-003
Dallace	64.0	80.0	149 D mg/L Dilution Factor: 20	106	MCAWW 300.0A	-	7204058
Sulfate			Work Order #:	J3E0X1AN	MS Lot-S	ample #: F7G23	0215-004
	74.5	40.0	119 N,D mg/L Dilution Factor: 10	112	MCAWW 300.0A		7205380

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL702

Date Received..: 07/13/07

Matrix....: WATER

Date Sampled...: 07/12/07 PREPARATION-SAMPLE SPIKE MEASURED PREP PERCENT ANALYSIS DATE BATCH # AMOUNT AMT AMOUNT UNITS RECOVERY METHOD Work Order #...: J3MLP1AK MS Lot-Sample #: F7G260301-001 Sulfate 35.9 40.0 76.6 D mg/L 102 MCAWW 300.0A 07/26/07 7208111 Dilution Factor: 10 Work Order #...: J271V1AM MS Lot-Sample #: F7G190478-005 Total Alkalinity 100 222 mg/L 94 MCAWW 310.1 07/20/07 7201154 128 Dilution Factor: 1 Total Alkalinity Work Order #...:
104 100 201 mg/L Work Order #...: J3E0V1AK MS Lot-Sample #: F7G230215-002 97 MCAWW 310.1 07/26/07 7207142 Dilution Factor: 1 Work Order #...: J274T1AJ MS Lot-Sample #: F7G190487-001 Total Cyanide 3990 200 3850 N,D ug/L 0 SW846 9012 07/23-07/24/07 7204172 Dilution Factor: 8 Total Organic Carbon Work Order #...: J2VP11Al MS Lot-Sample #: F7G130260-002 ND 5.00 5.75 mg/L 115 SW846 9060 07/25/07 7205282 Dilution Factor: 1 Total Organic Carbon Work Order #...: J22LM1AL MS Lot-Sample #: F7G170250-002 ND 5.00 5.93 mg/L 119 SW846 9060 07/24/07 7205281 Dilution Factor: 1 MS Lot-Sample #: F7G180212-005 Work Order #...: J24JL1AD Total Organic Carbon ND 5.00 5.73 mg/L 115 SW846 9060 07/24/07 7205281 Dilution Factor: 1 Work Order #...: J2VP11A0 MS Lot-Sample #: F7G130260-002 Total Sulfide ND 10.0 9.80 mg/L 98 SW846 9030 07/16/07 7197012 Dilution Factor: 1 TOX Work Order #...: J22LM1AN MS Lot-Sample #: F7G170250-002 70.6 100 174 ug/L 104 SW846 9020B 08/02/07 7215096 Dilution Factor: 1 TOX Work Order #...: J24JE1AD MS Lot-Sample #: F7G180212-003 277 100 368 ug/L 92 SW846 9020B 08/03/07 7218057 Dilution Factor: 1 Work Order #...: J24JL1AE MS Lot-Sample #: F7G180212-005 TOX 115 ug/L 95 SW846 9020B 08/06-08/07/07 7219092

(Continued on next page)

Dilution Factor: 1

20.4

100

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: SL702

Date Sampled...: 07/12/07

Date Received..: 07/13/07

Matrix..... WATER

NOTE (S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

D Result was obtained from the analysis of a dilution.

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SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7G120385

Work Order #...: J271V-SMP Matrix....: WATER

J271V-DUP

Date Sampled...: 07/18/07

Date Received..: 07/19/07

	DUPLICATE			RPD		PREPARATION-	PREP
PARAM RESULT	RESULT	UNITS	RPD	LIMIT	METHOD	ANALYSIS DATE	BATCH #
Total Alkalinity					SD Lot-Sample #:	F7G190478-005	
128	129	mg/L	0.78	(0-20)	MCAWW 310.1	07/20/07	7201154

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7G120385

Work Order #...: J271P-SMP

Matrix....: WATER

J271P-DUP

Date Sampled...: 07/18/07

Date Received..: 07/19/07

PARAM RESULT Chloride 17.1 C,D	DUPLICATE RESULT UNITS 14.4 D, C mg/L Dilution		METHOD SD Lot-Sample #: MCAWW 300.0A	PREPARATION- ANALYSIS DATE F7G190478-003 07/19/07	PREP BATCH # 7204056
Fluoride 0.32 N	-	15 (0-20)	SD Lot-Sample #: 1	F7G190478-003 07/19/07	7204057
Sulfate 64.0 D	- ·	0.77 (0-20 Factor: 20	SD Lot-Sample #: : MCAWW 300.0A		7204058
Nitrite ND	1,	0 (0-20 Factor: 1	SD Lot-Sample #: : MCAWW 300.0A	F7G190478-003 07/19/07	7204059
Nitrate 14.8 DN	11.0 DN mg/L	29 (0-20 Factor: 20	SD Lot-Sample #: : MCAWW 300.0A	F7G190478-003 07/19/07	7204060

NOTE(S):

D Result was obtained from the analysis of a dilution.

C Analyte detected in method blank above the MDL/IDL.

N Spiked analyte recovery is outside stated control limits.

DN Result obtained from dilution; spike sample recovery outside control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7G120385

Work Order #...: J24GT-SMP

Matrix WATER

J24GT-DUP

Date Sampled...: 07/17/07

Date Received..: 07/18/07

	DUPLICATE			RPD		PREPARATION-	PREP
PARAM RESULT	RESULT	UNITS	RPD	LIMIT	METHOD	ANALYSIS DATE	BATCH #
Chloride	_		_		SD Lot-Sample #:	F7G180203-001	
13.4 DN	12.4 DN	mg/L	7.8	(0-20)	MCAWW 300.0A	07/18/07	7204077
		Dilution Fac	ctor: 10				
Fluoride					SD Lot-Sample #:	F7G180203-001	
ND	ND	mg/L	0	(0-20)	MCAWW 300.0A	07/18/07	7204078
		Dilution Fac	ctor: 1				
Sulfate					SD Lot-Sample #:	F7G180203-001	
77.2 DN	77.8 DN	mg/L	0.82	(0-20)	MCAWW 300.0A	07/18/07	7204079
		Dilution Fac	ctor: 10				
Nitrite					SD Lot-Sample #:	F7G180203-001	
ND	ND N	mg/L	0	(0-20)	MCAWW 300.0A	07/18/07	7204080
	_	Dilution Fac	ctor: 1				
Nitrate					SD Lot-Sample #:	F7G180203-001	
21.9 DN	21.9 DN	mg/L	0.16	(0-20)	MCAWW 300.0A	07/18/07	7204081
		Dilution Fac	ctor: 50		•		
Phosphate as P, Ortho					SD Lot-Sample #:	F7G180203-001	
ND	0.51 N	mg/L	200	(0-20)	MCAWW 300.0A	07/18/07	7204082
		Dilution Fac	ctor: 1				

NOTE(S):

DN Result obtained from dilution; spike sample recovery outside control limits.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7G120385

Work Order #...: J2VP1-SMP

Matrix....: WATER

J2VP1-DUP

PARAM Pheno	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD SD Lot-Sample #	PREPARATION- ANALYSIS DATE F7G130260-002	PREP BATCH #
	ND	ND	ug/L	0	(0-20)	MCAWW 420.2	07/25-07/27/07	7205111
		I	ilution Fact	or: 1				
Total	Sulfide					SD Lot-Sample #:	F7G130260-002	
	ND	ND	mg/L	0	(0-20)	SW846 9030	07/16/07	7197012
		Г	ilution Fact	or: 1				
Total	Organic Car	bon				SD Lot-Sample #	F7G130260-002	
	ND	ND	mg/L	0	(0-20)	SW846 9060	07/25/07	7205282
		Ī	ilution Fact	or: 1				
Nitro	gen, as Ammo	nia				SD Lot-Sample #:	F7G130260-002	
	ND	ND	ug/L	0	(0-20)	MCAWW 350.1	07/17/07	7198128
		I	ilution Fact	or: 1				

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7G120385

Work Order #...: J22LM-SMP

Matrix: WATER

J22LM-DUP

Date Sampled...: 07/16/07 Date Received..: 07/17/07

	RESULT Organic Car ND	ND	UNITS mg/L ilution Fact	RPD 0	RPD LIMIT (0-20)	METHOD SD Lot-Sample #: SW846 9060	PREPARATION- ANALYSIS DATE F7G170250-002 07/24/07	PREP BATCH # 7205281
TOX	70.6	69.8	ug/L ilution Fact	1.2 :or: 1	(0-20)	SD Lot-Sample #: SW846 9020B	F7G170250-002 08/02/07	7215096

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7G120385

Work Order #...: J3E0X-SMP

Matrix....: WATER

J3E0X-DUP

Date Sampled...: 07/20/07

Date Received..: 07/21/07

PARAM RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD SD Lot-Sample #:	PREPARATION- ANALYSIS DATE F7G230215-004	PREP BATCH #
12.4 DN	12.6 DN	mg/L Dilution Fac	1.5 ctor: 10	(0-20)	MCAWW 300.0A	07/21/07	7205378
Fluoride					SD Lot-Sample #:	F7G230215-004	
0.27	0.27	mg/L Dilution Fac		(0-20)	MCAWW 300.DA	07/21/07	7205379
Sulfate					SD Lot-Sample #:	F7G230215-004	
74.5 DN	73.9 DN	mg/L Dilution Fac		(0-20)	MCAWW 300.0A	07/21/07	7205380
Nitrite					SD Lot-Sample #:	F7G230215-004	
0.35	ND	mg/L Dilution Fac	200 ctor: 1	(0-20)	MCAWW 300.0A	07/25/07	7207127
Nitrate					SD Lot-Sample #:	F7G230215-004	
3.6 DN	3.5 DN	mg/L Dilution Fac	1.2 ctor: 10	(0-20)	MCAWW 300.0A	07/21/07	7205381

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

DN Result obtained from dilution; spike sample recovery outside control limits.

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SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7G120385

Work Order #...: J3E0V-SMP

Matrix....: WATER

J3E0V-DUP

Date Sampled...: 07/20/07

Date Received..: 07/21/07

RPD PREPARATION-PREP DUPLICATE UNITS ANALYSIS DATE BATCH # PARAM RESULT RESULT RPD LIMIT METHOD SD Lot-Sample #: F7G230215-002 Total Alkalinity 07/26/07 7207142 0.97 (0-20) MCAWW 310.1 104 103 mg/L

Dilution Pactor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7G120385

Work Order #...: J3MLP-SMP

Matrix....: WATER

J3MLP-DUP

Date Sampled...: 07/25/07

Date Received..: 07/26/07

PARAM RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD SD Lot-Sample #:	PREPARATION- ANALYSIS DATE F7G260301-001	PREP BATCH #
5.8 C,D	5.9 D	mg/L Dilution Fac	1.0 ctor: 10	(0-20)	MCAWW 300.0A	07/26/07	7208109
Fluoride					SD Lot-Sample #:	F7G260301-001	
0.33 N	0.36 N	mg/L Dilution Fac	10 ctor: 1	(0-20)	MCAWW 300.0A	07/26/07	7208110
Sulfate					SD Lot-Sample #:	F7G260301-001	
35.9 D	35.3 D	mg/L Dilution Fac	1.7 tor: 10	(0-20)	MCAWW 300.0A	07/26/07	7208111
Nitrite 0.081 N	ир 🖊	mg/L Dilution Fac	200	(0-20)	SD Lot-Sample #: MCAWW 300.0A	F7G260301-001 07/26/07	7208112
Nitrate					SD Lot-Sample #:	F7G260301-001	
1.4 D	1.4 D	mg/L Dilution Fac	2.5 tor: 10	(0-20)	MCAWW 300.0A	07/26/07	7208113

NOTE (S):

D Result was obtained from the analysis of a dilution.

C Analyte detected in method blank above the MDL/IDL.

N Spiked analyte recovery is outside stated control limits.

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SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7G120385

Work Order #...: J24JE-SMP J24JE-DUP Matrix....: WATER

Date Sampled...: 07/17/07

Date Received..: 07/18/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
TOX						SD Lot-Sample #:		
	277 C	283 C	ug/L	2.1	(0-20)	SW846 9020B	08/03/07	7218057
		D	ilution Fact					

NOTE(S):

C Analyte detected in method blank above the MDL/IDL.

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SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: F7G120385

Work Order #...: J24JL-SMP

Matrix....: WATER

Date Sampled...: 07/17/07 Date Received..: 07/18/07

PREPARATION-PREP DUPLICATE RPD ANALYSIS DATE BATCH # LIMIT__ METHOD RESULT UNITS RPD PARAM RESULT SD Lot-Sample #: F7G180212-005 TOX 7219092 08/06/07 16.1 24 (0-20) SW846 9020B 20.4 ug/L

Dilution Factor: 1

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